

1 / 30

BEST AVAILABLE COPY

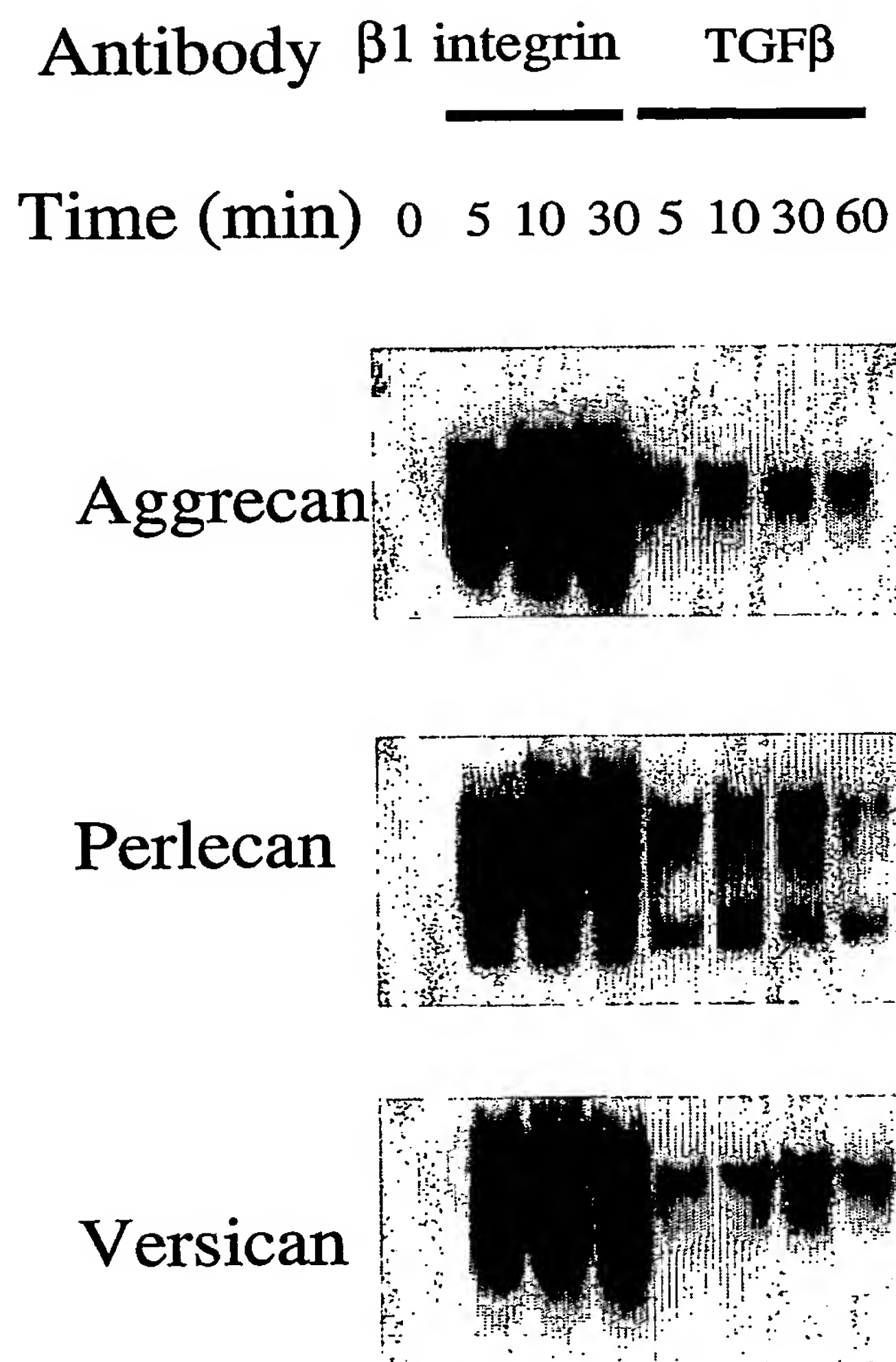


Figure 1. The effect of $\beta 1$ integrin functional modification on proteoglycans in H441 cells

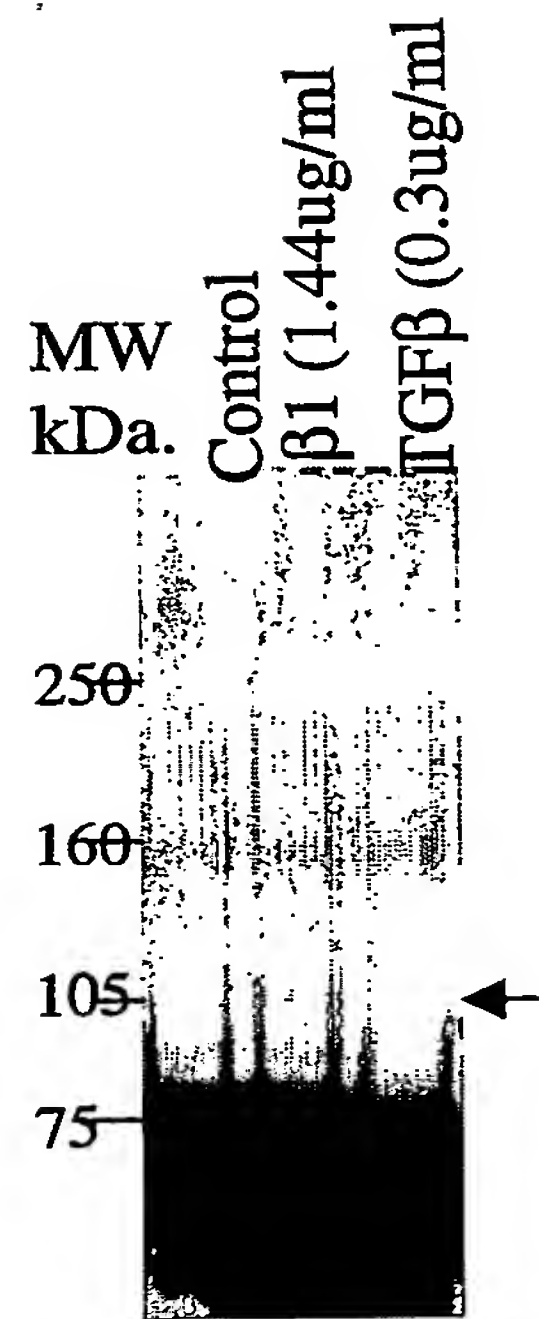


Figure 2

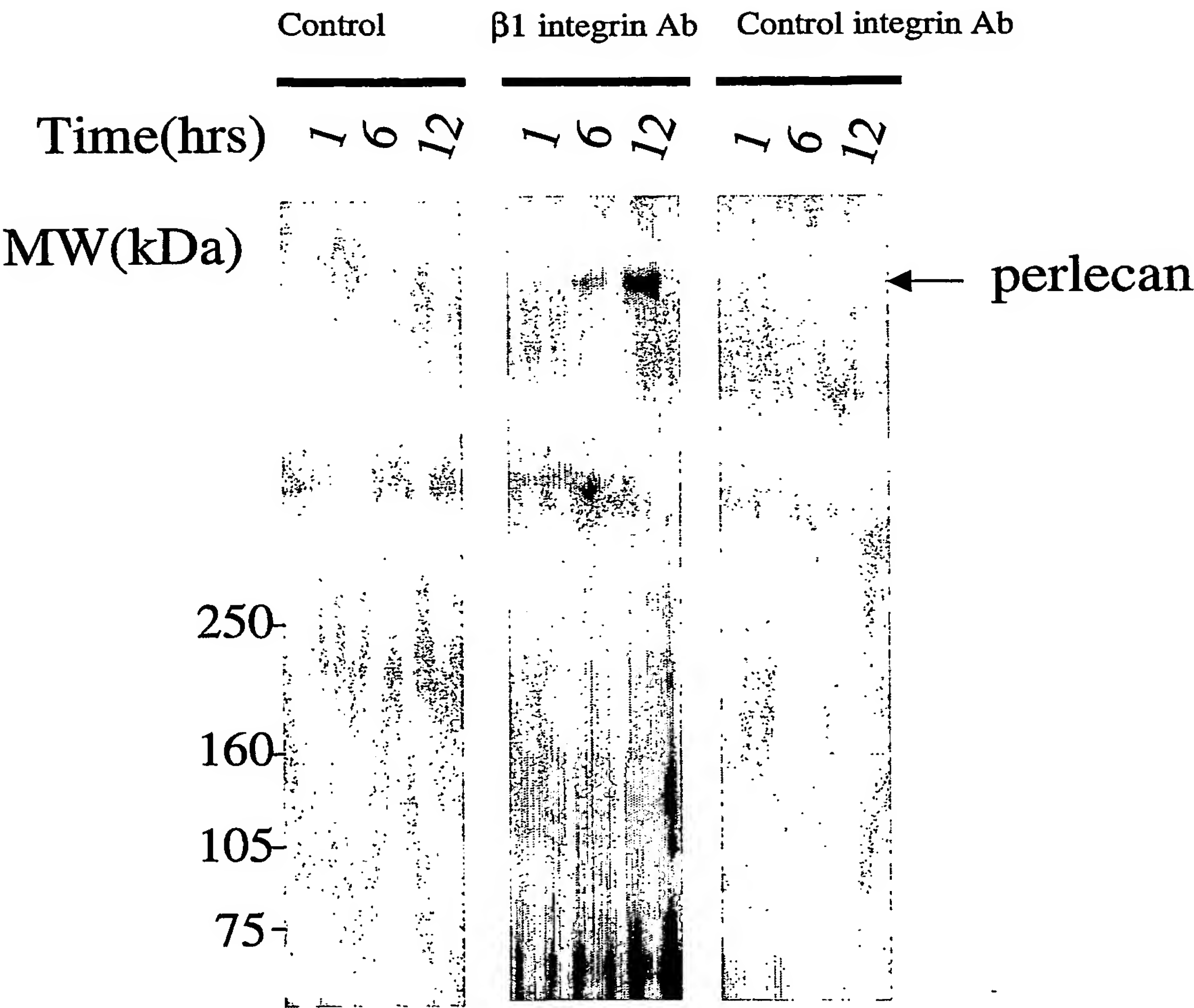
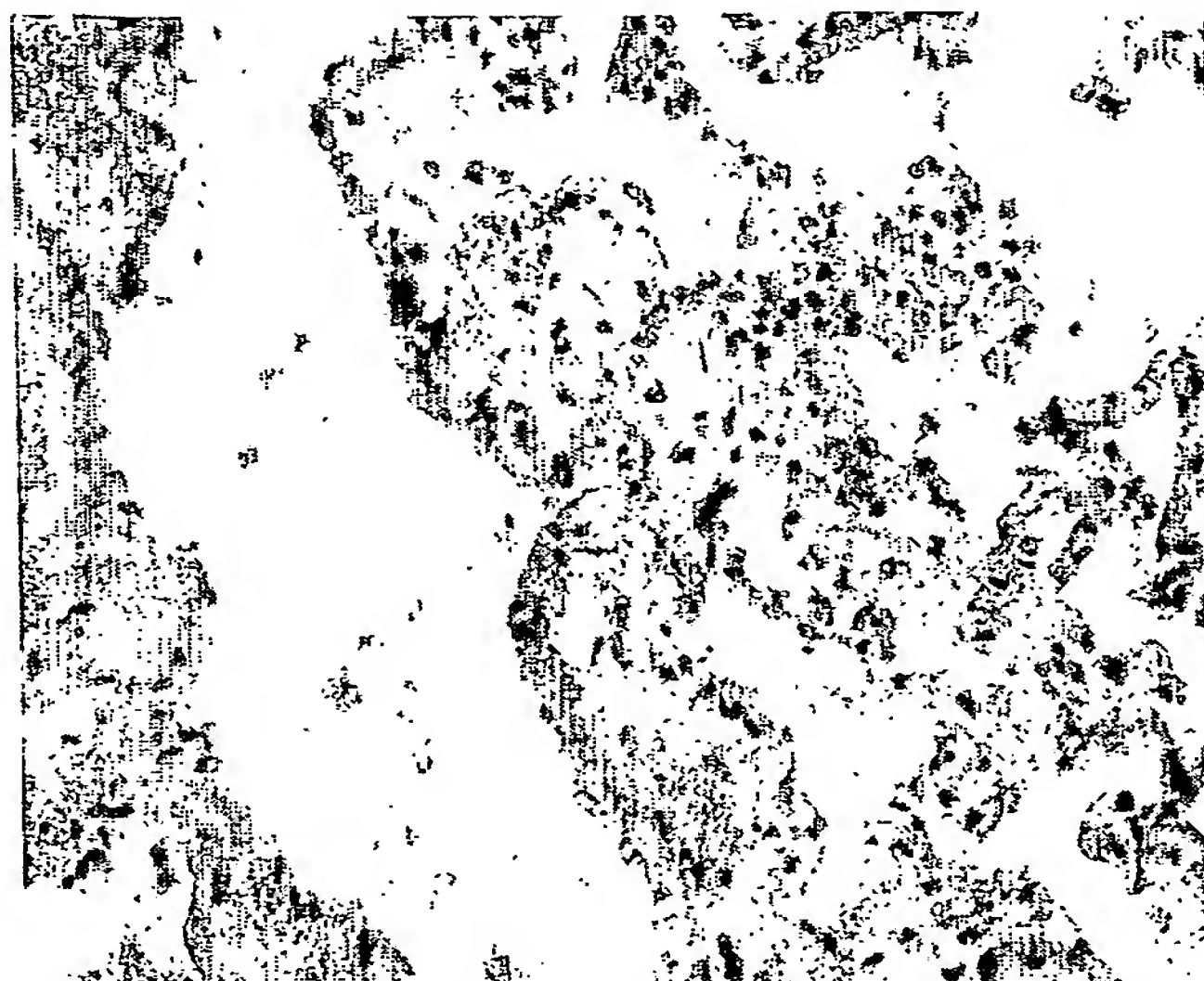
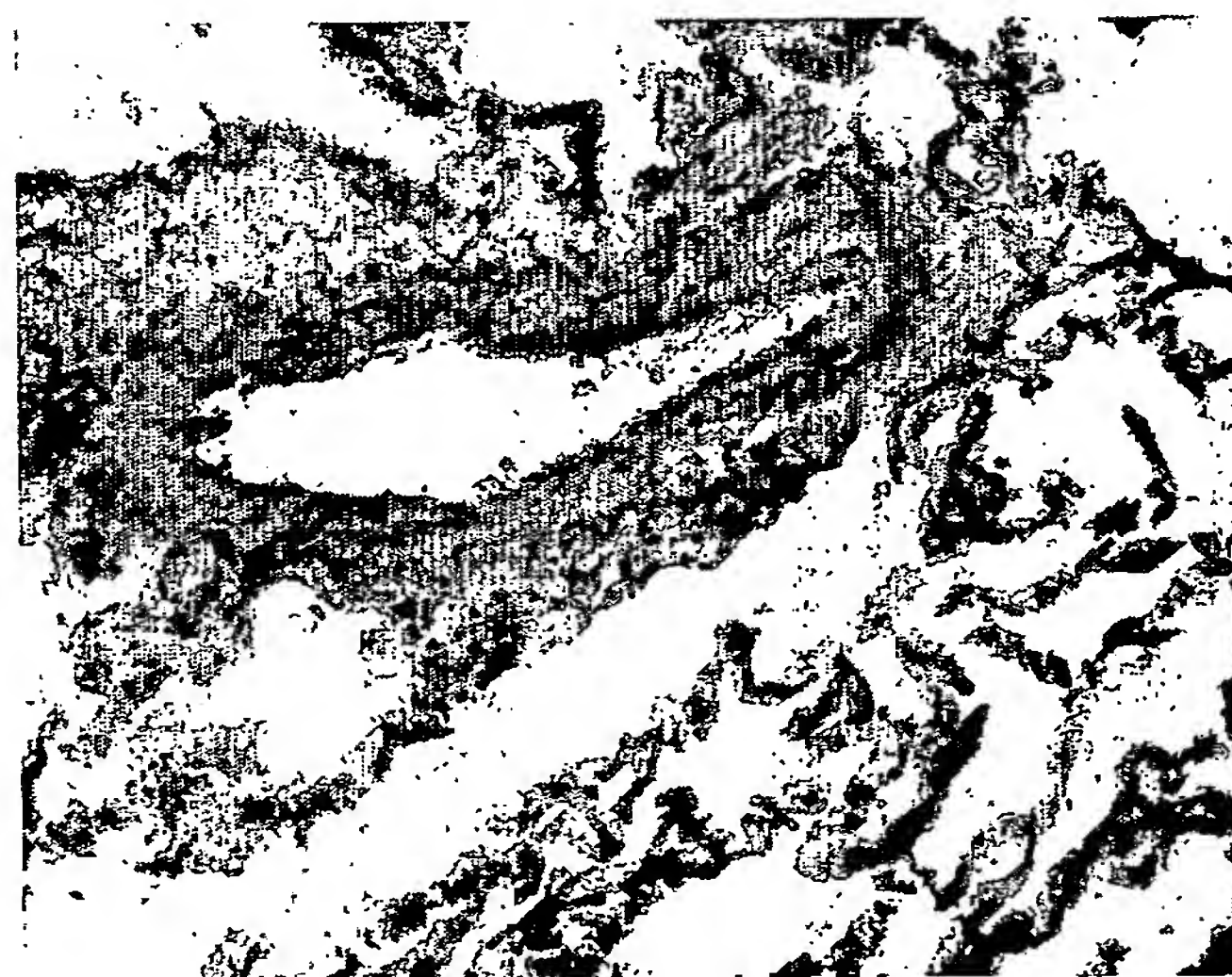


Figure 3.The effect of $\beta 1$ functional modification on perlecan expression in human lung explants.

4 / 30



Control



β1 integrin Ab

Figure 4. The effect of β1 functional modification on perlecan expression in human lung explants.

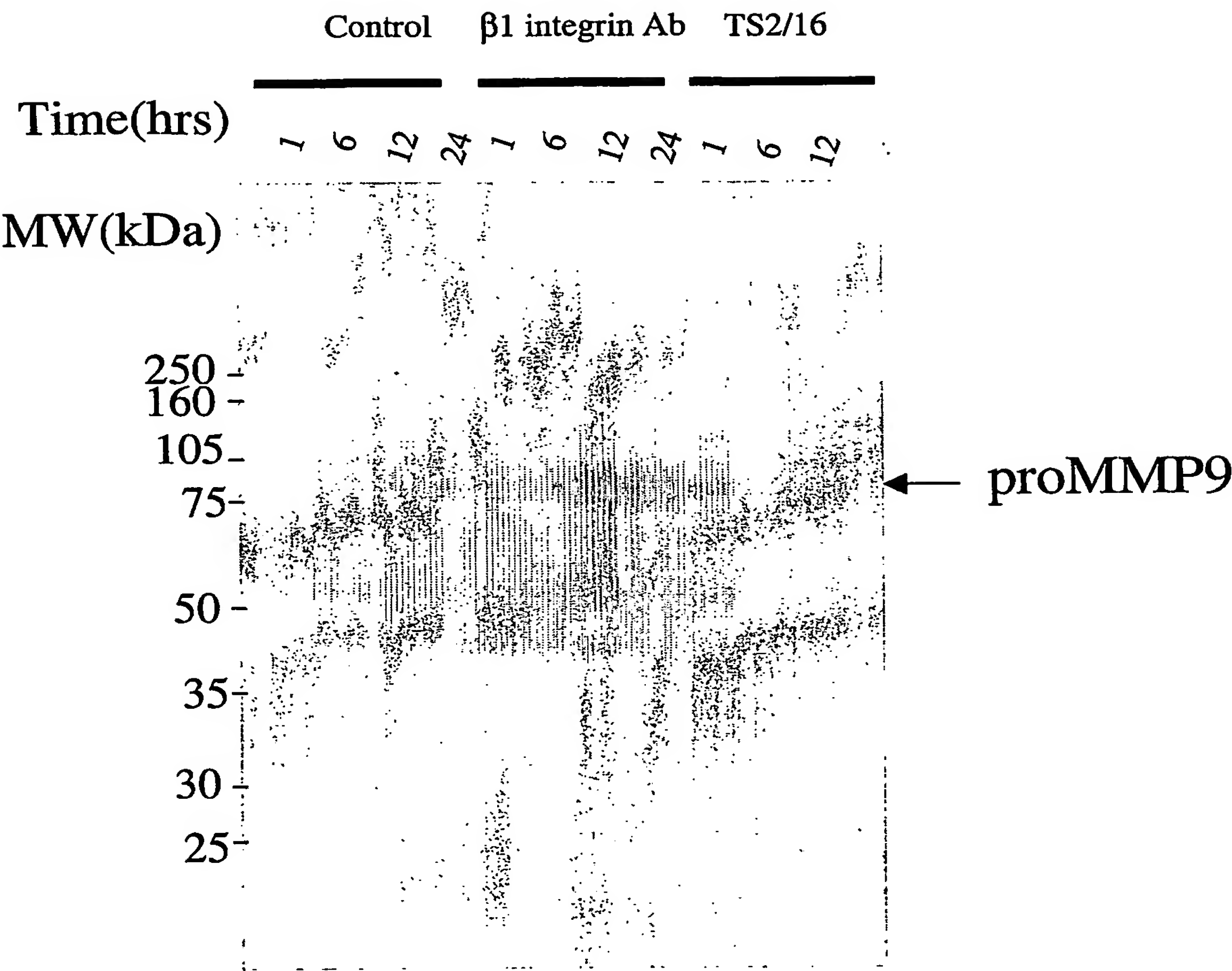


Figure 5. The effect of β 1 integrin functional modification on MMP9 in human lung explants

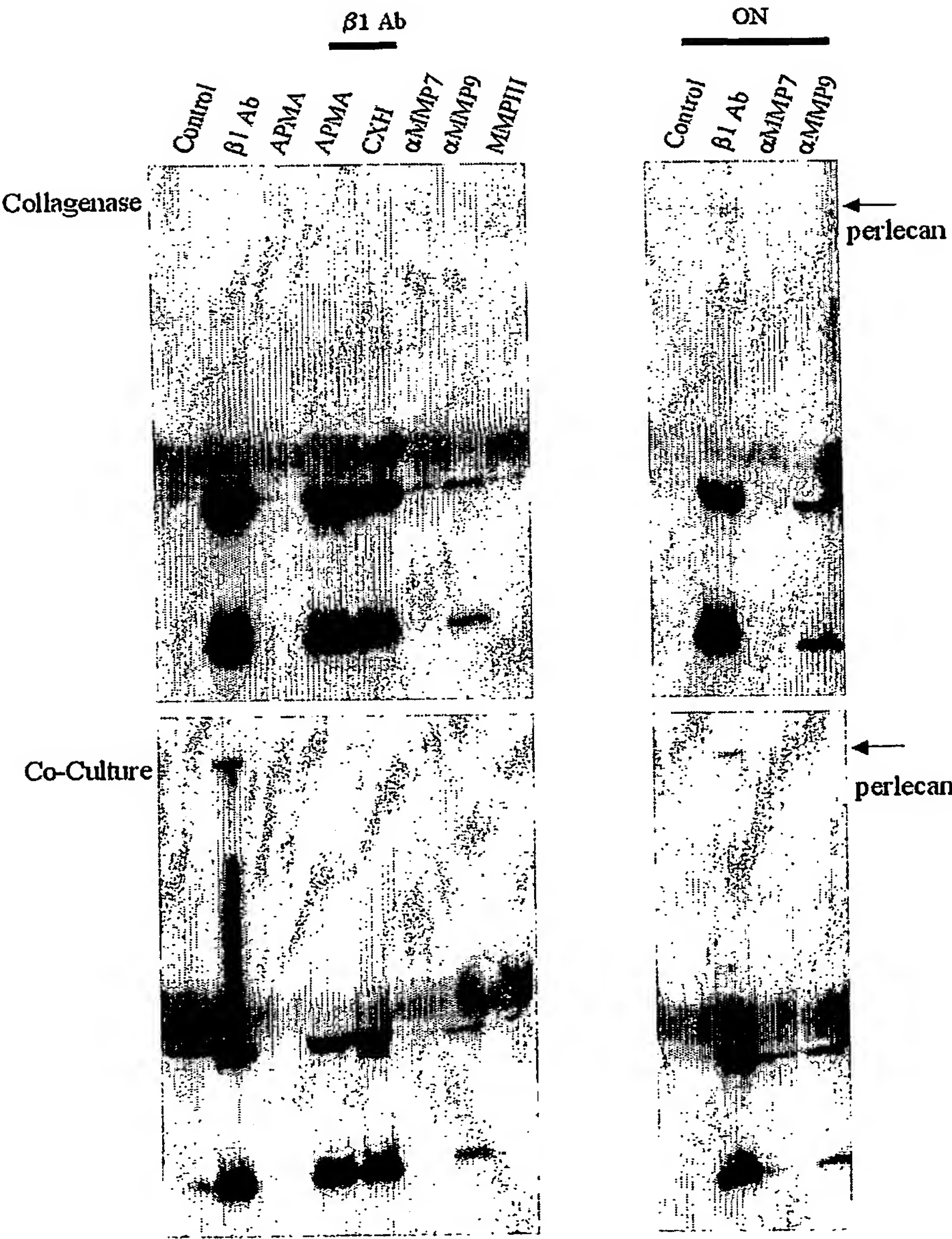


Figure 6. The effect of $\beta 1$ integrin functional modification on perlecan in cultured human lung cells

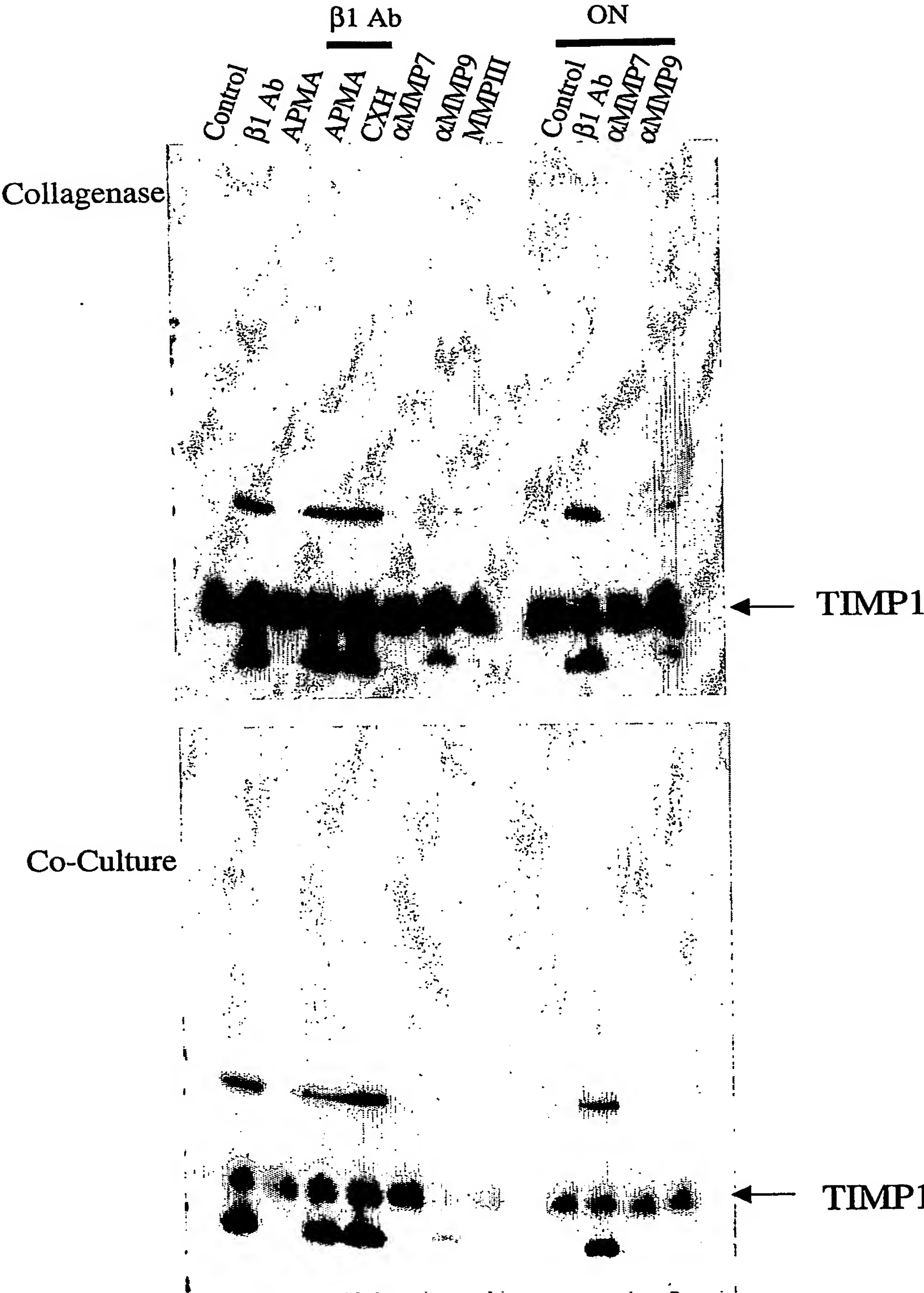


Figure 7. The effect of β1 integrin functional modification on TIMP1 in cultured human lung cells

8 / 30

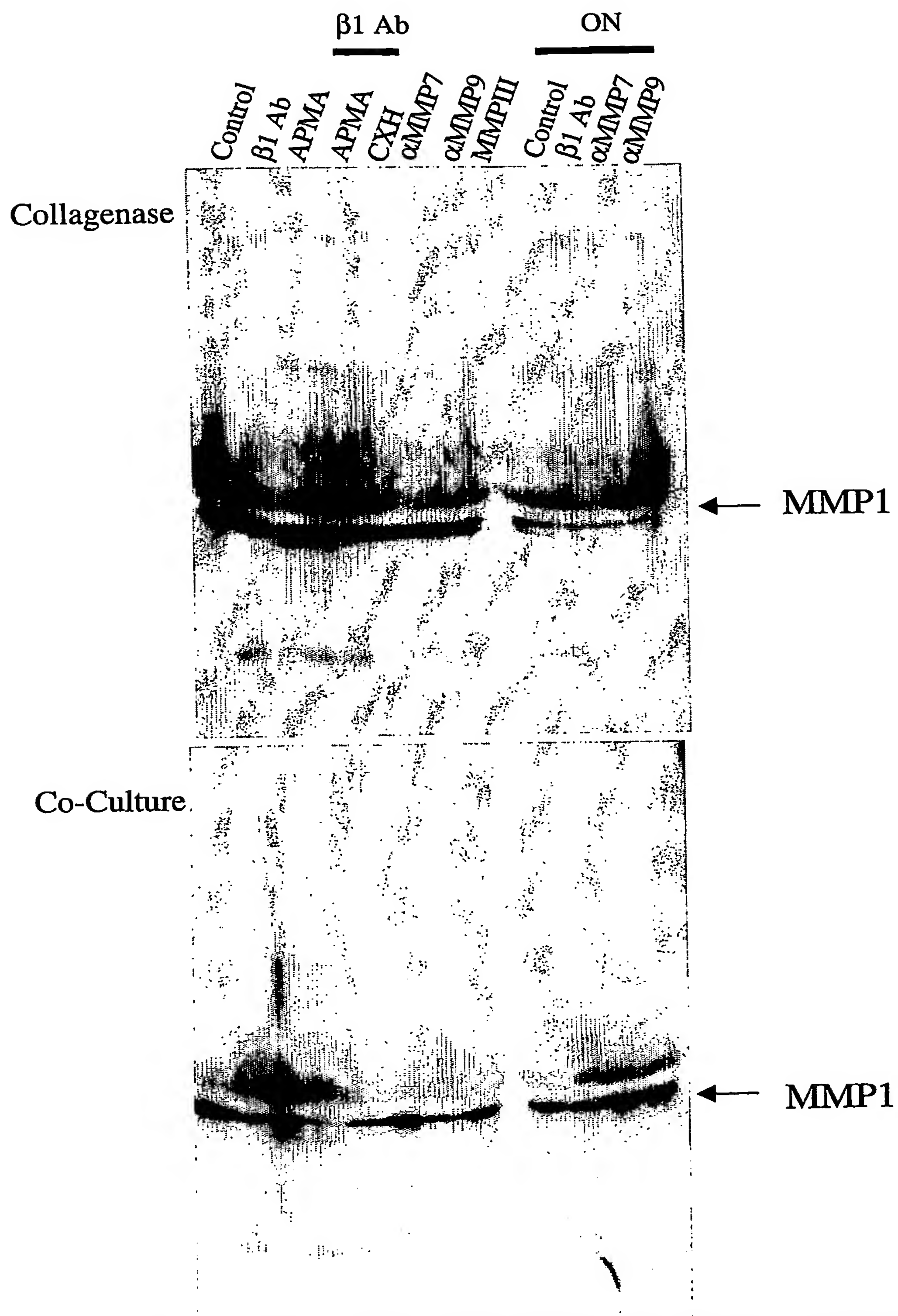


Figure 8. The effect of $\beta 1$ integrin functional modification on MMP1 in cultured human lung cells

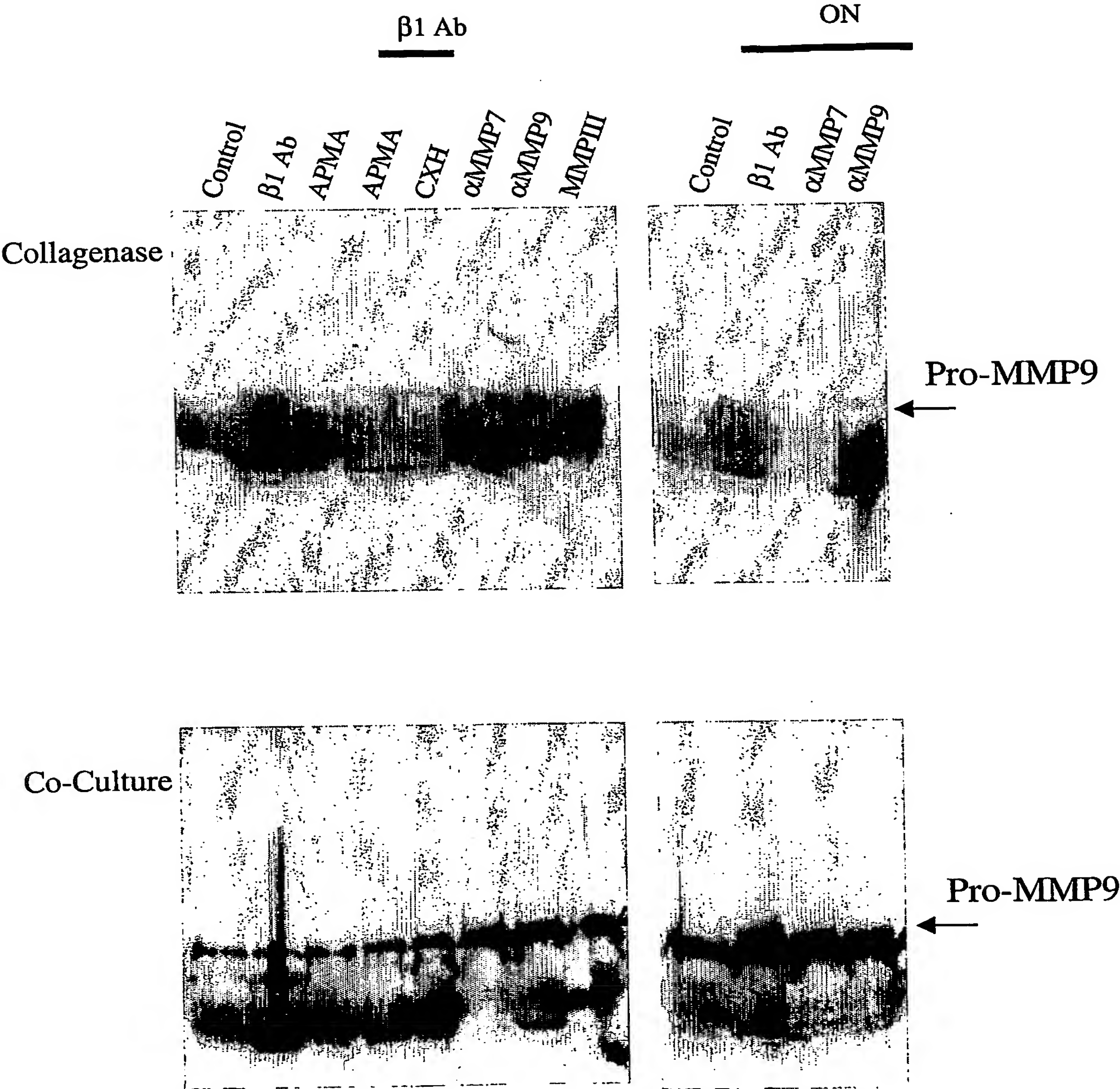
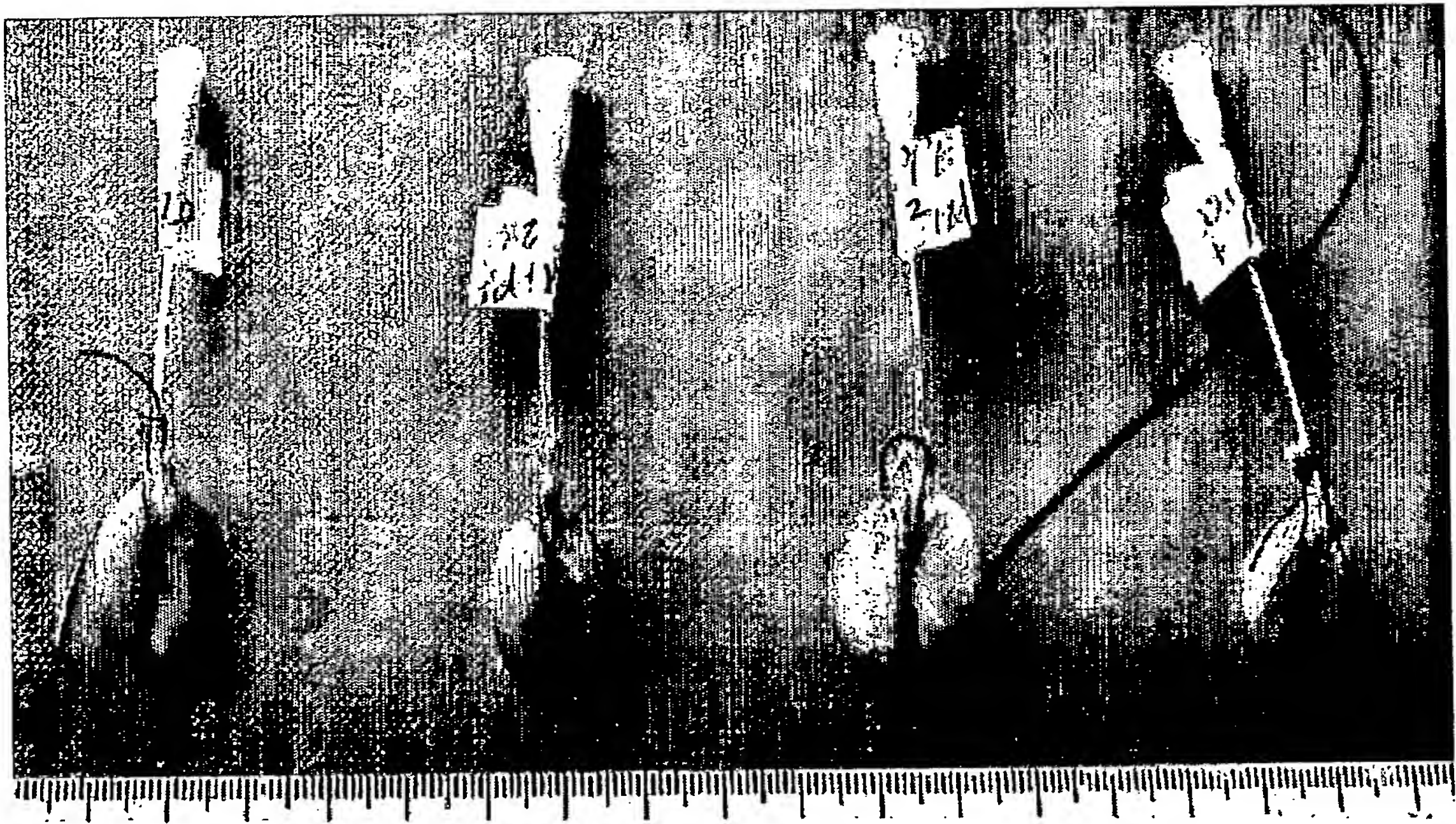


Figure 9. The effect of $\beta 1$ integrin functional modification on MMP9 in cultured human lung cells



Control

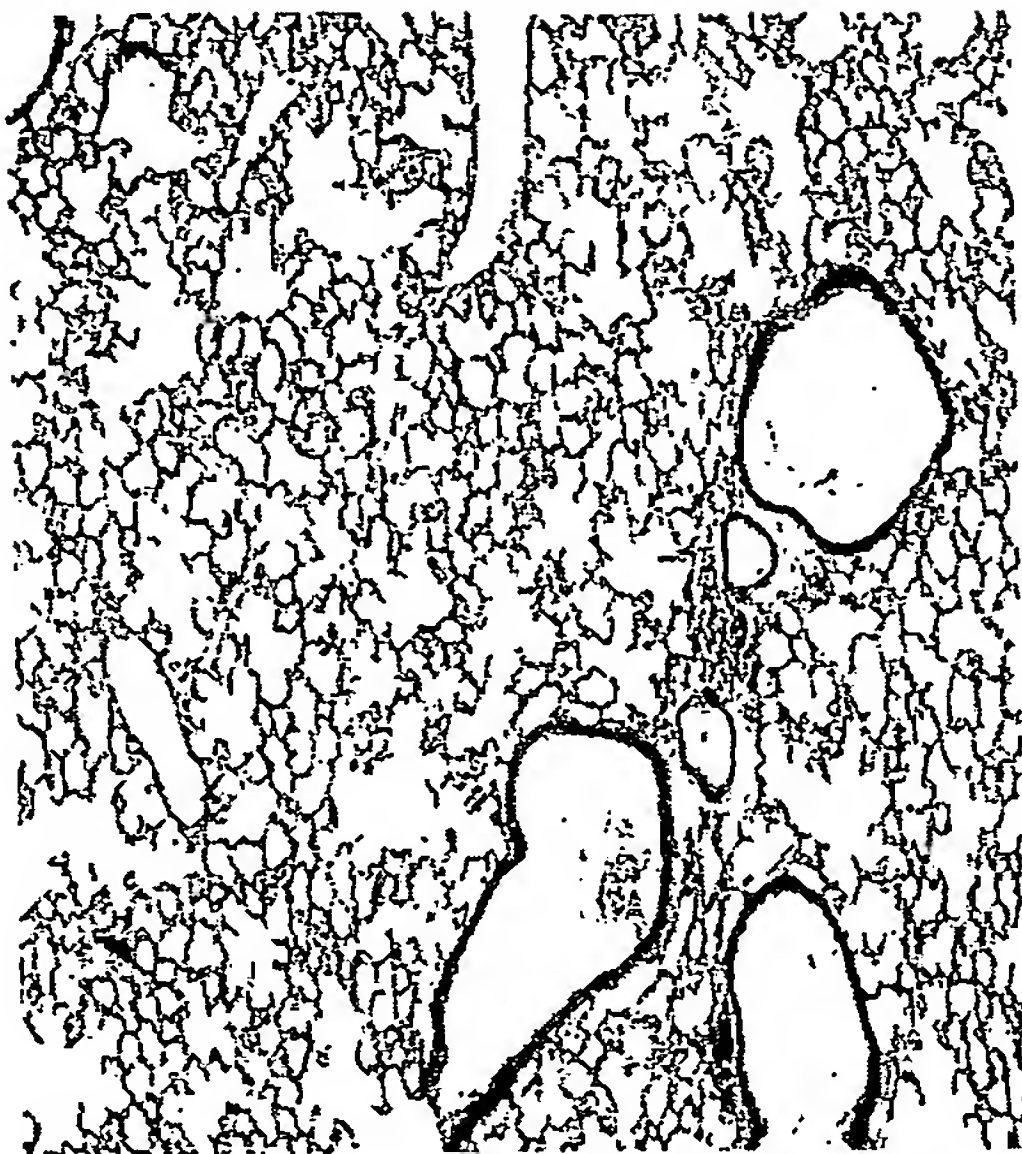
3.5 U PPE

19.5 U PPE

**19.5 U PPE
+ anti β 1 integrin**

Figure 10. The effect of b1 integrin modulation on emphysematous lungs

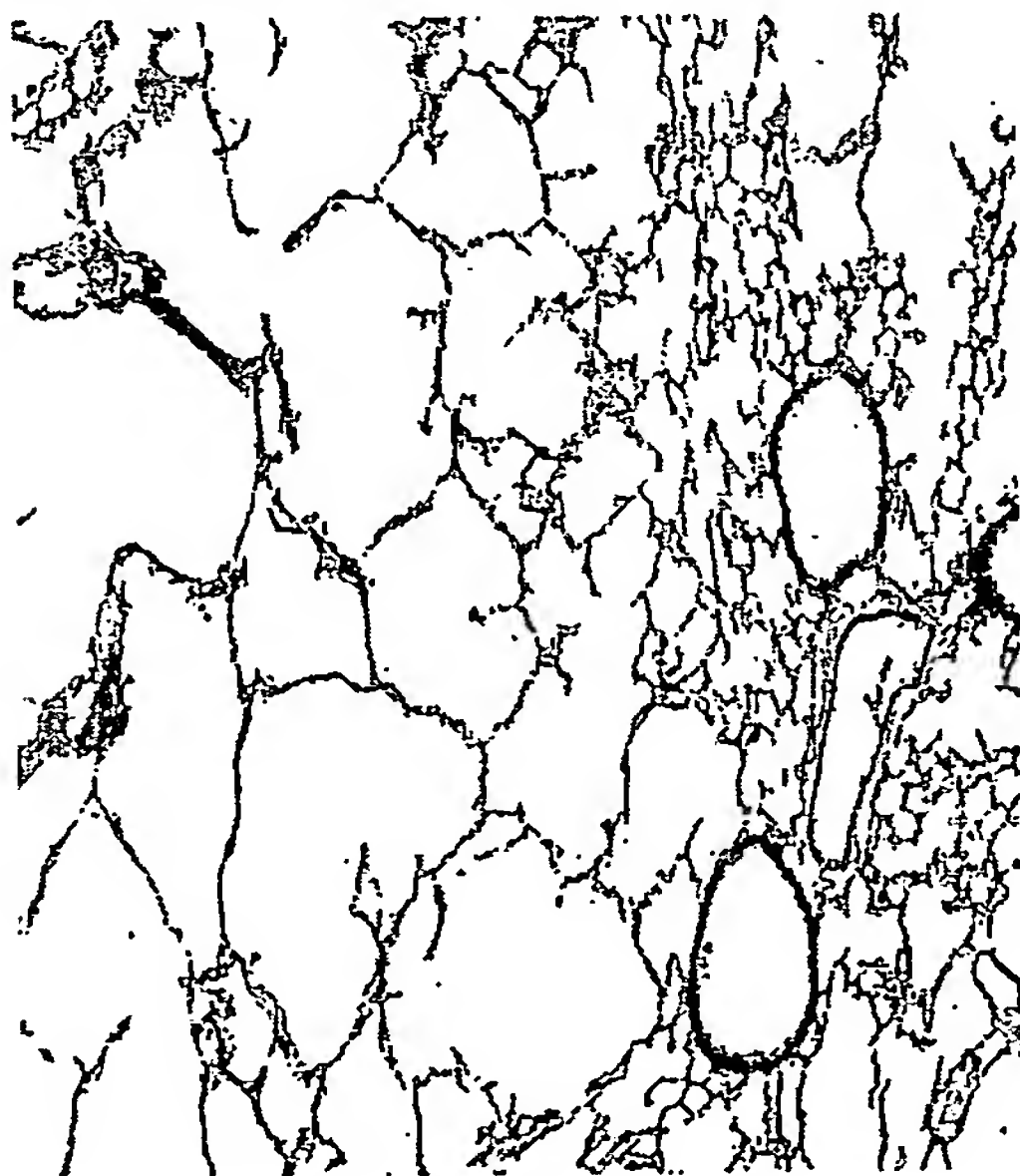
Control



PPE 19.5 U (10d)



PPE 19.5 U (19d)



PPE + anti β 1 integrin

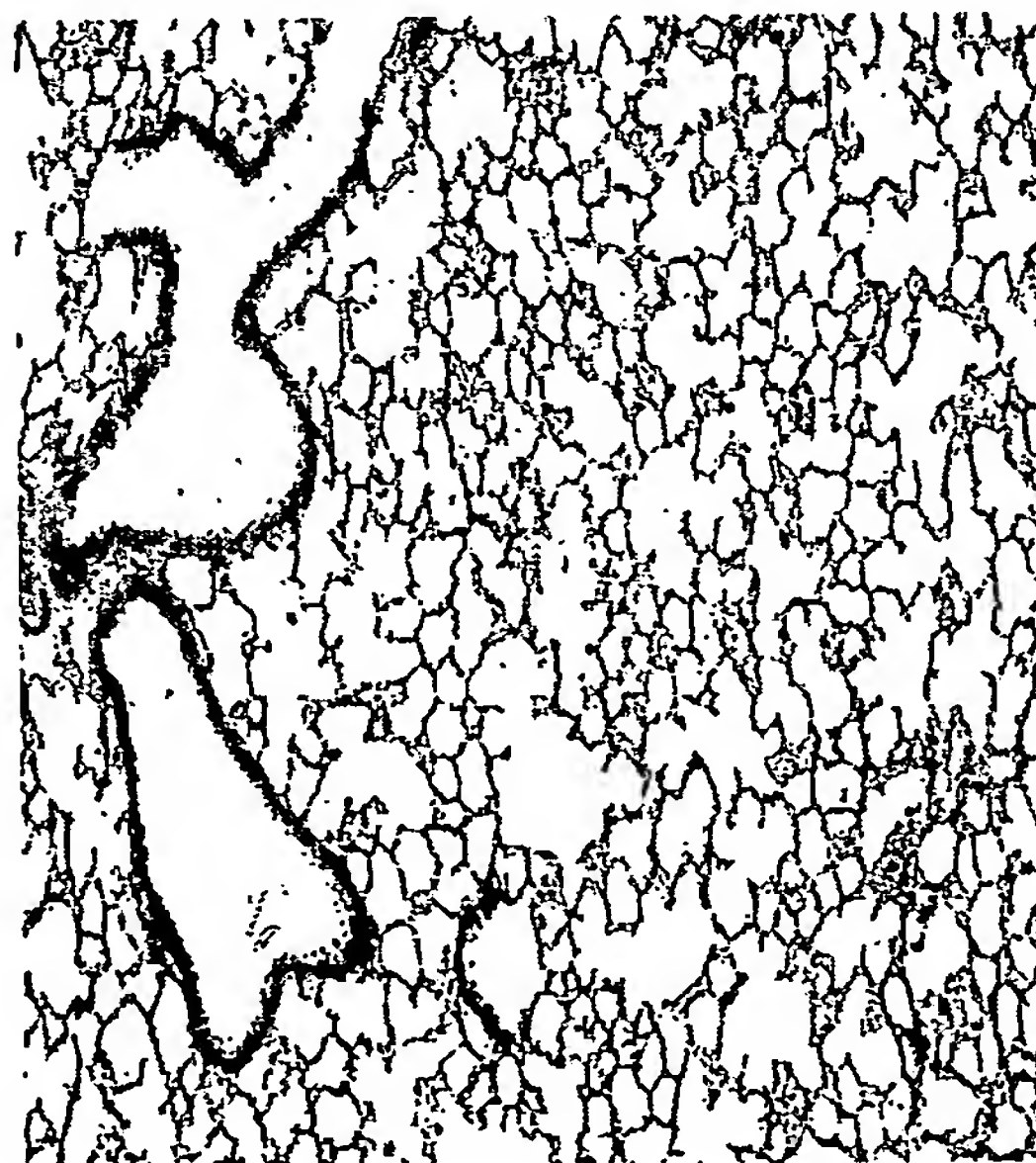


Figure 11.

12 / 30

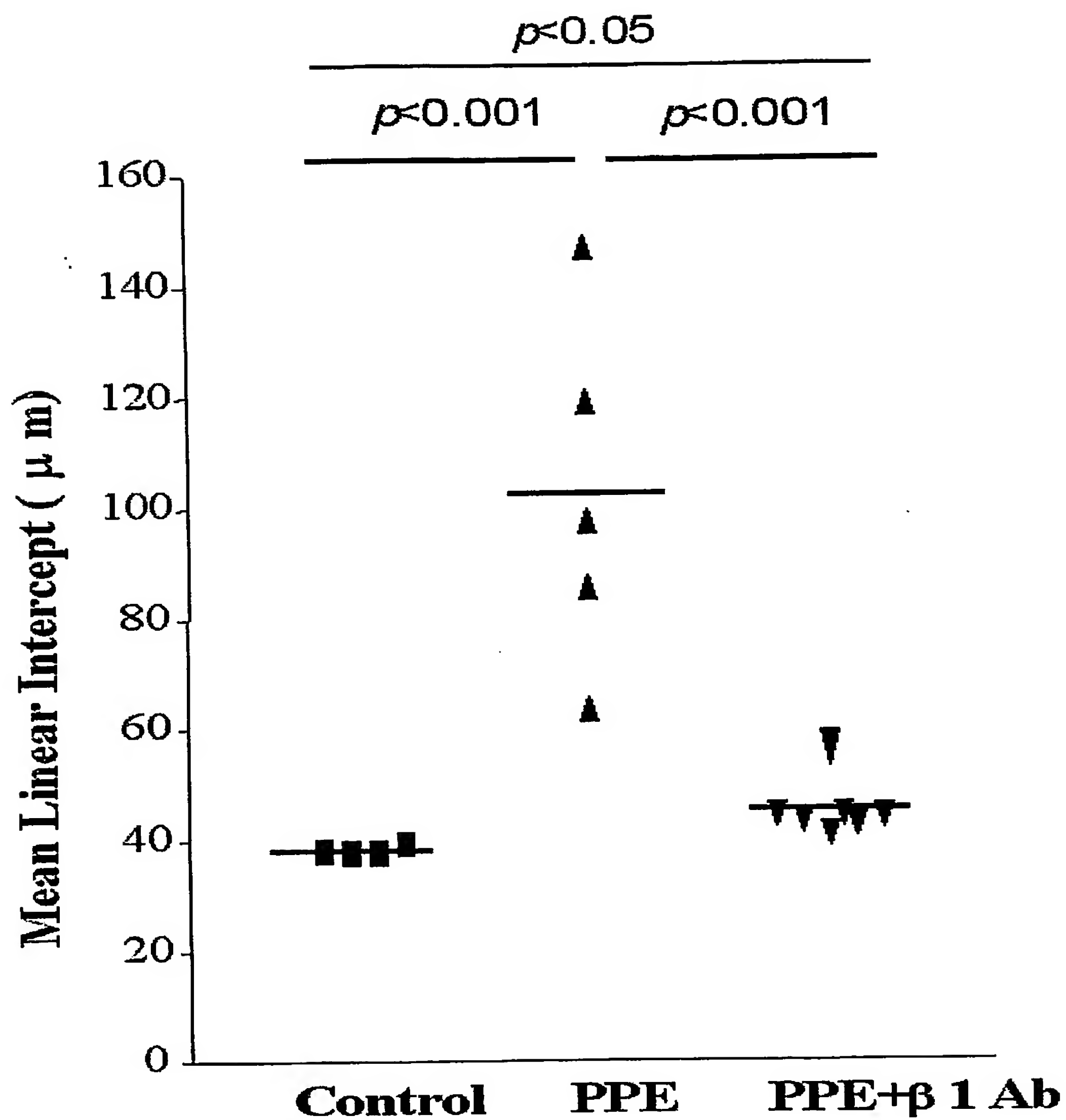


Figure 12. The effect of beta 1 integrin antibody on a space enlargement in elastase-induced emphysema in mice

13 / 30

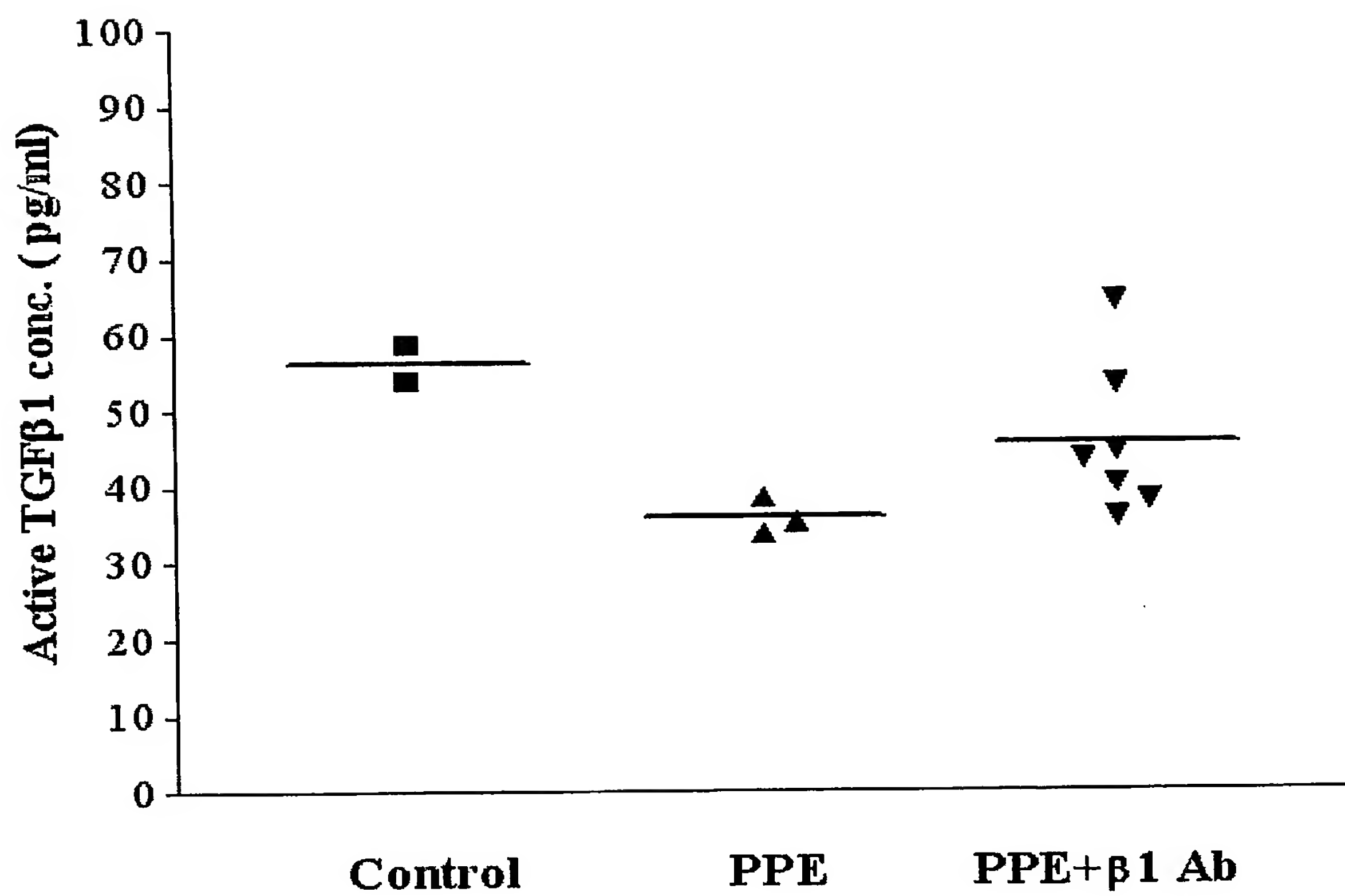


Figure 13. The effect of β1 integrin antibody on TGFβ1 levels in BAL fluid in elastase-induced emphysema in mice

14 / 30

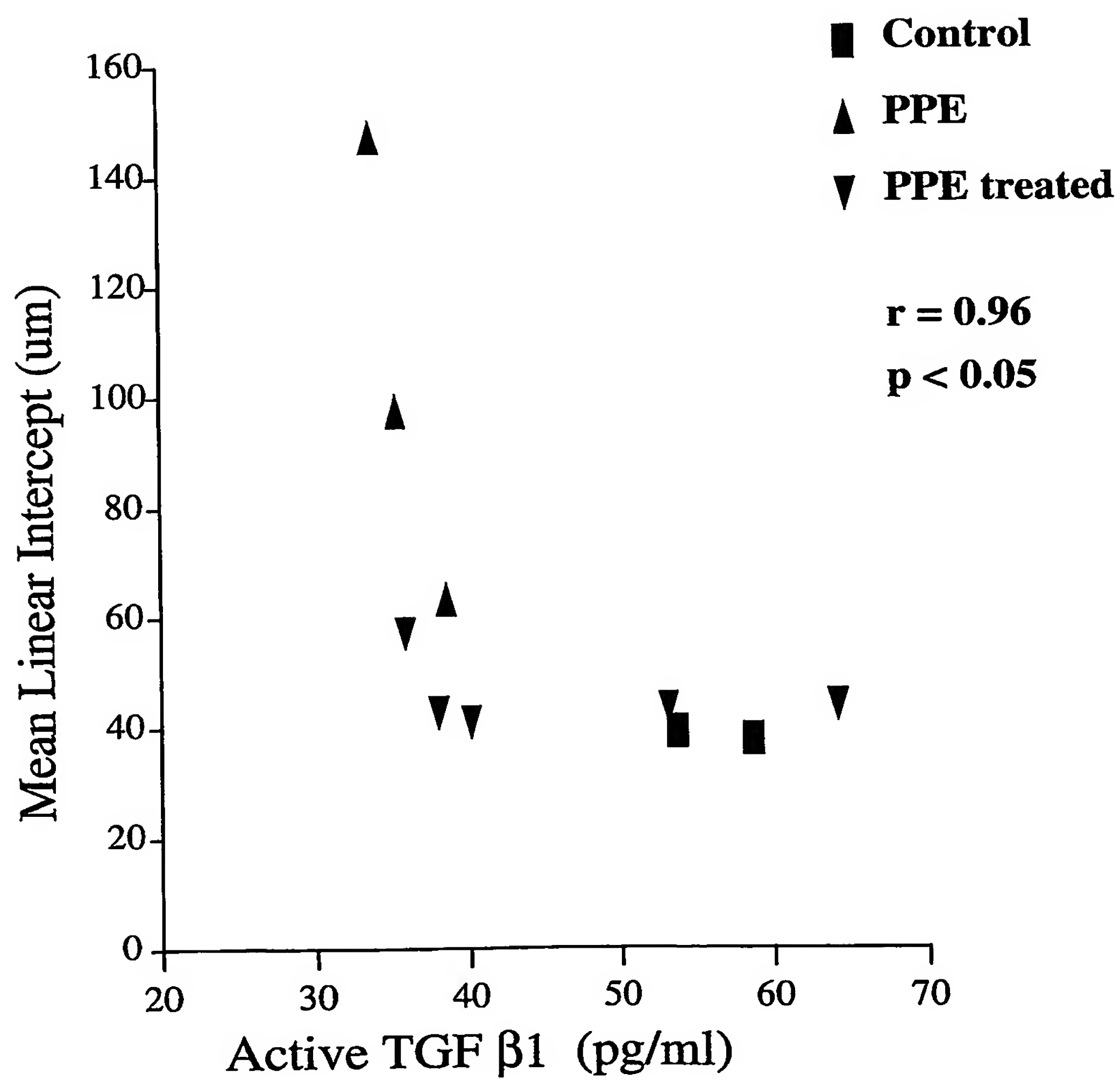


Figure 14. The relationship between airspace enlargement and TGF beta 1 levels in BAL fluid in mice

15 / 30

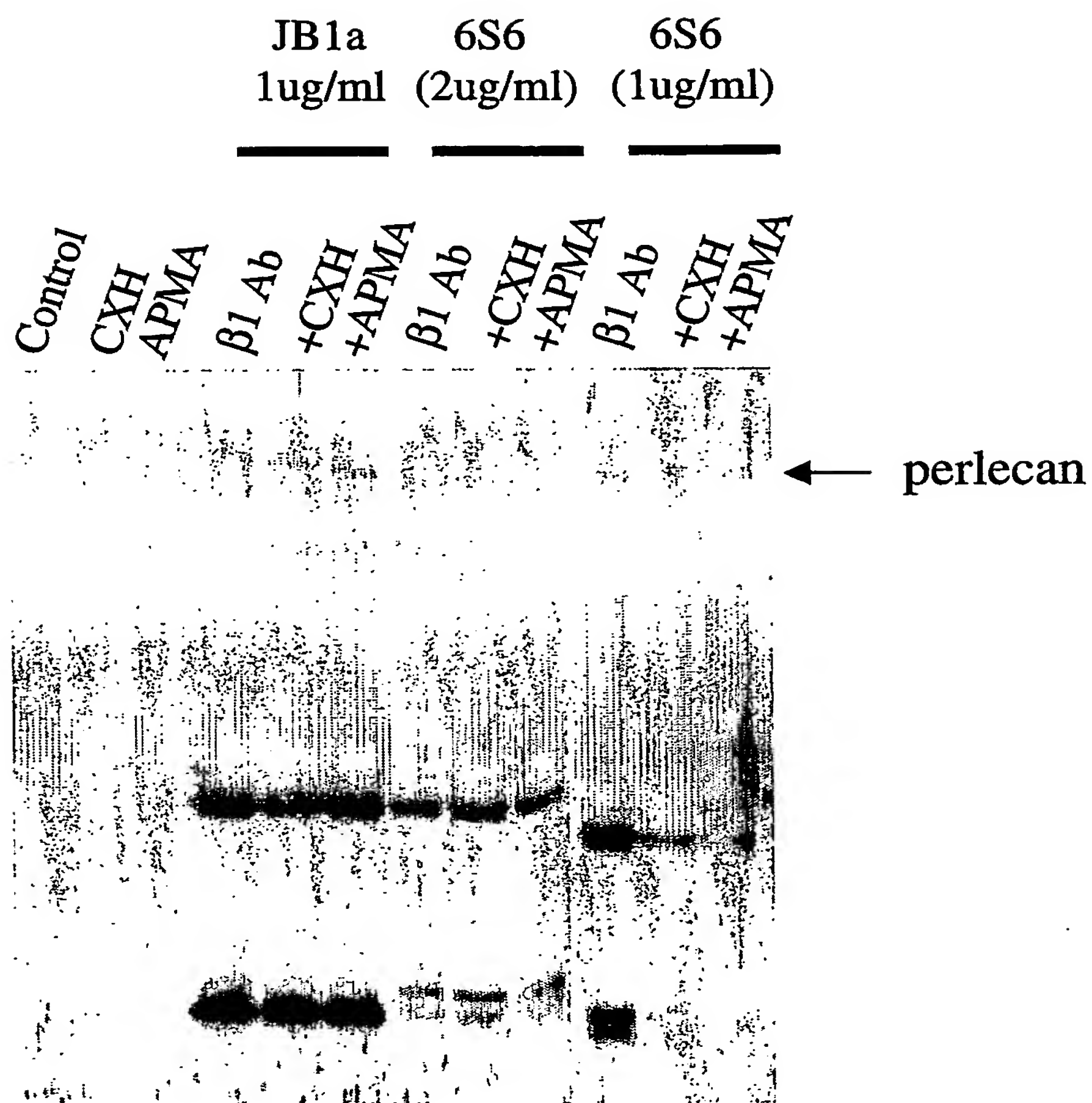


Figure 15. The effect of β 1 integrin functional modification on perlecan in NCI-H441 human lung epithelial cell line

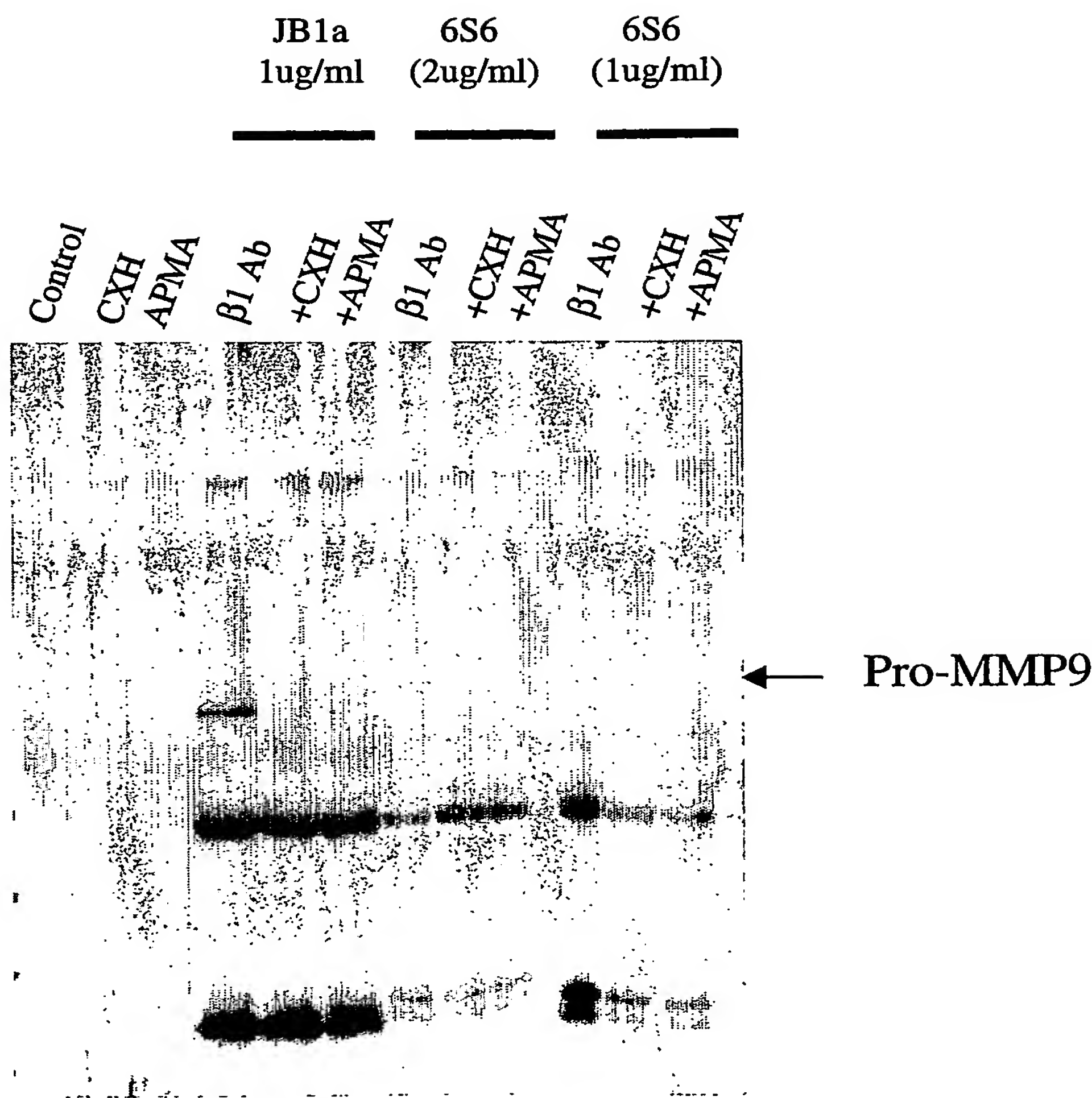
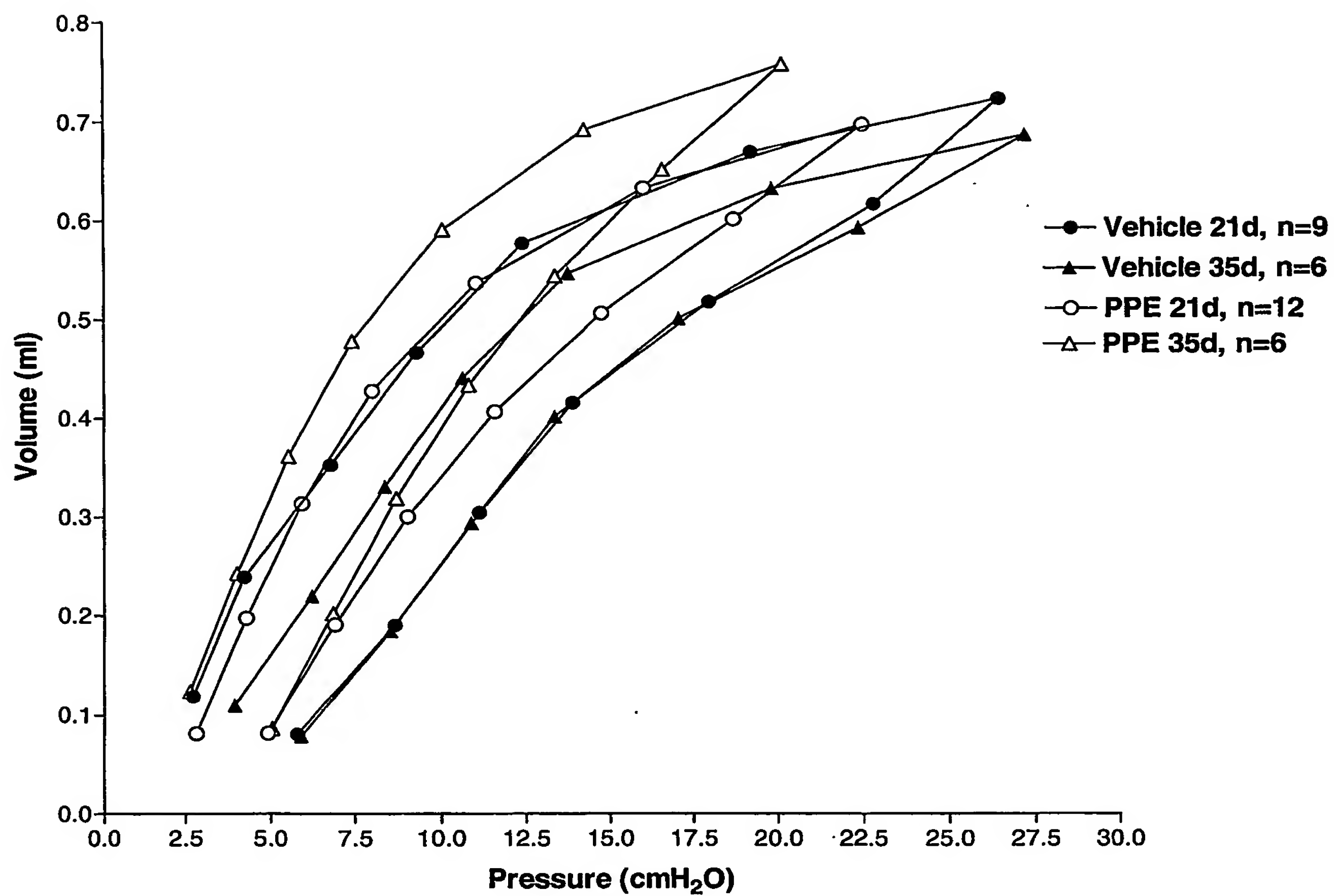
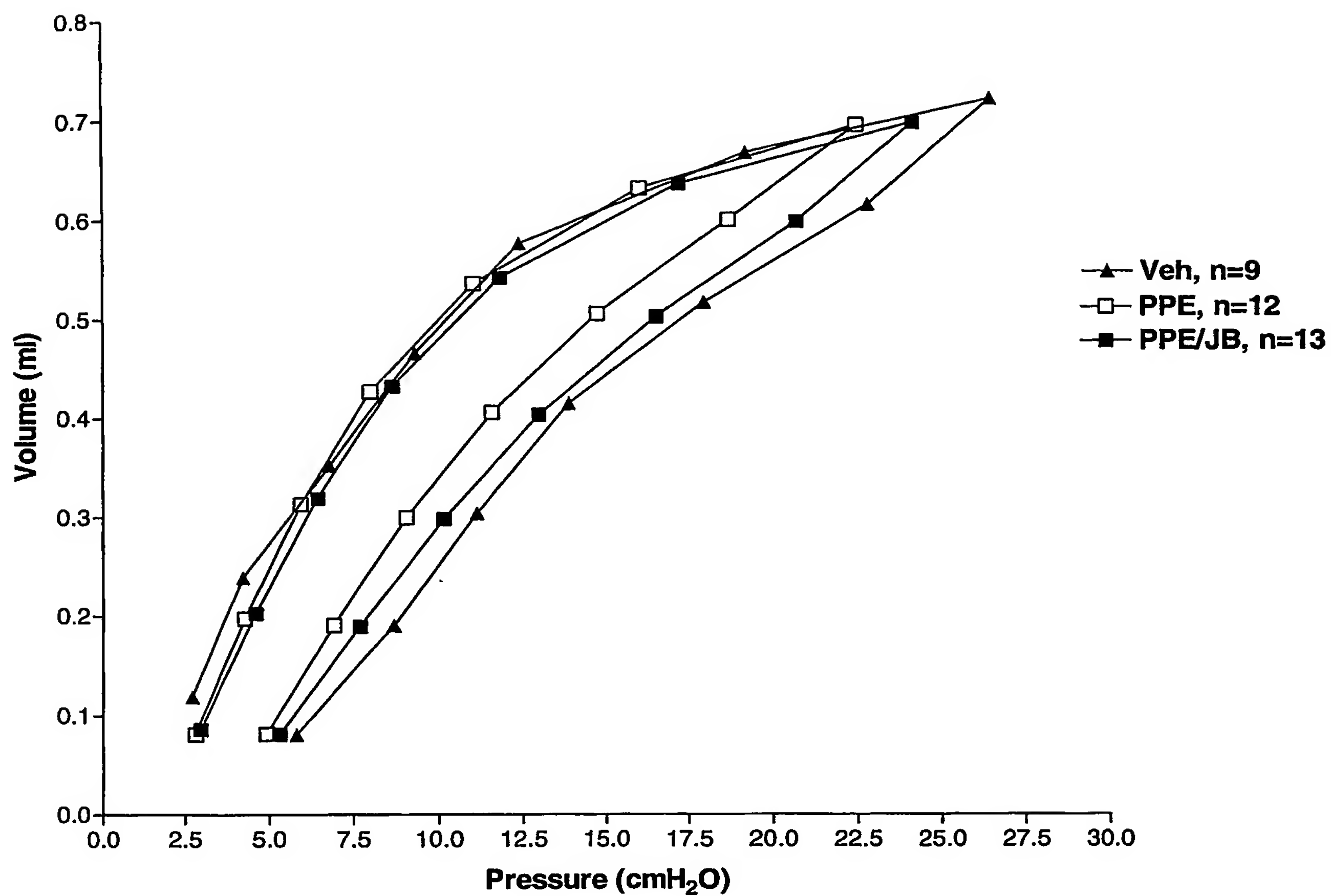


Figure 16. The effect of β1 integrin functional modification on inactive MMP9 in NCI-H441 human lung epithelial cell line

17 / 30

**Figure 17**

18 / 30

**Figure 18**

19 / 30

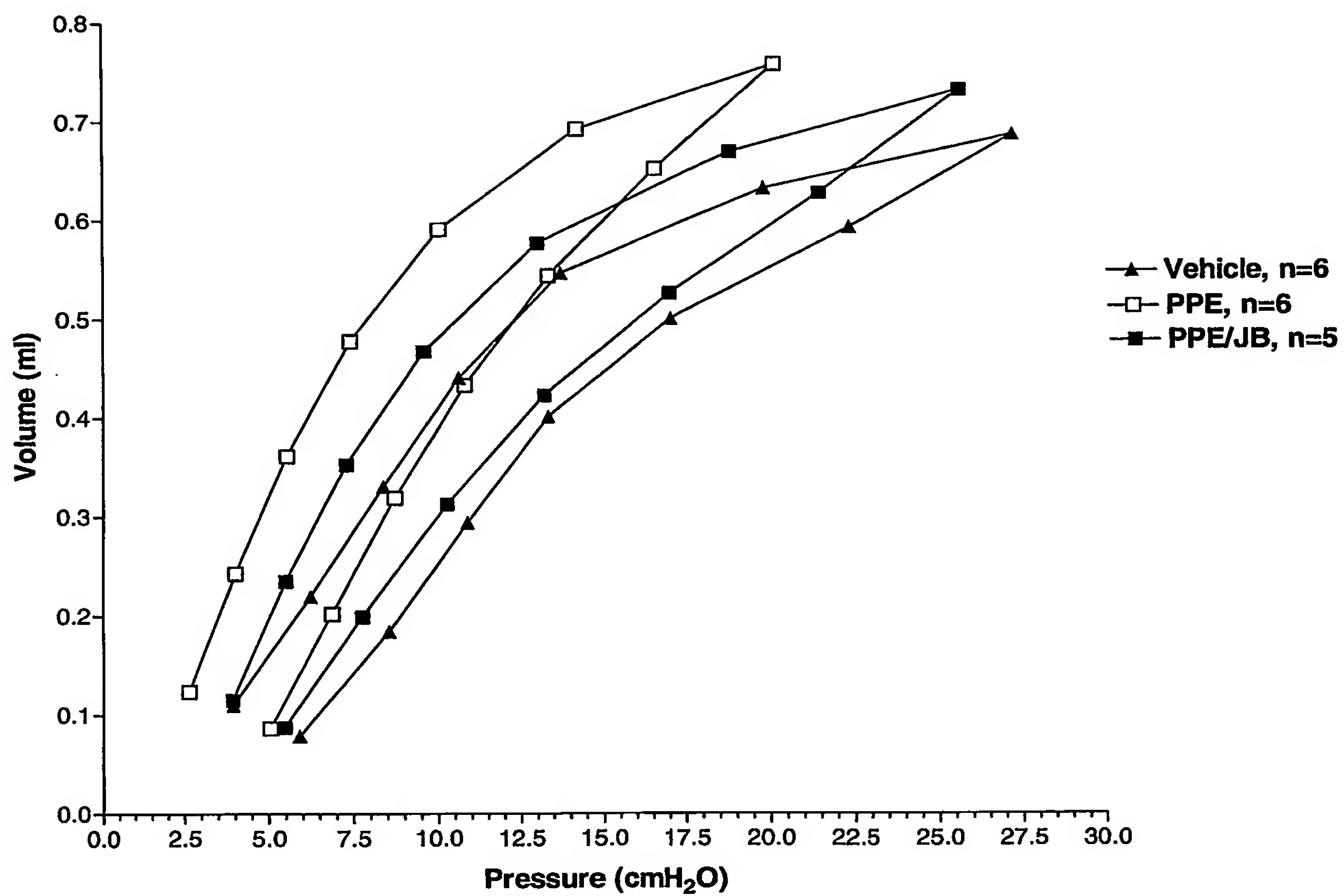


Figure 19

20 / 30

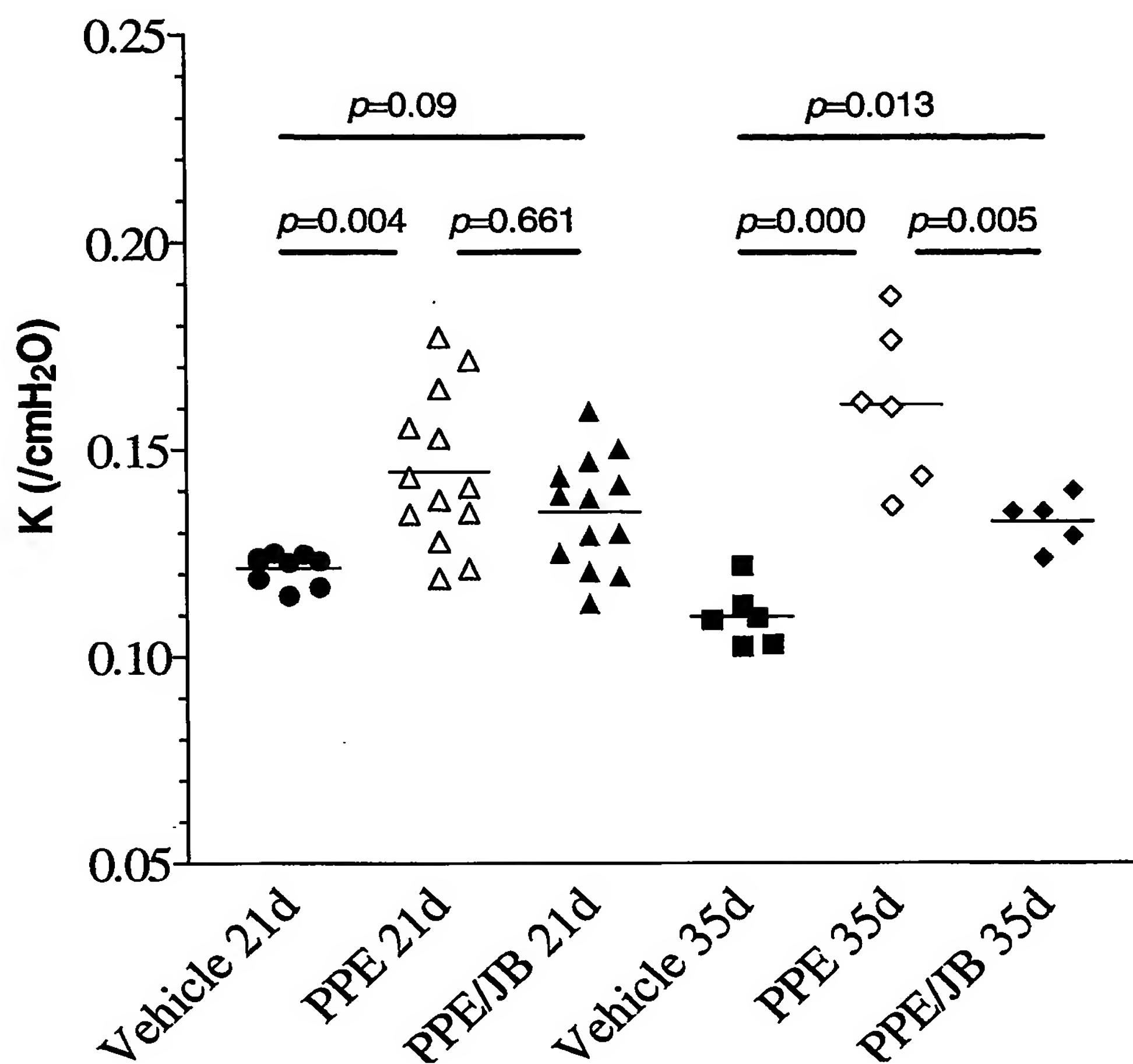


Figure 20

21 / 30

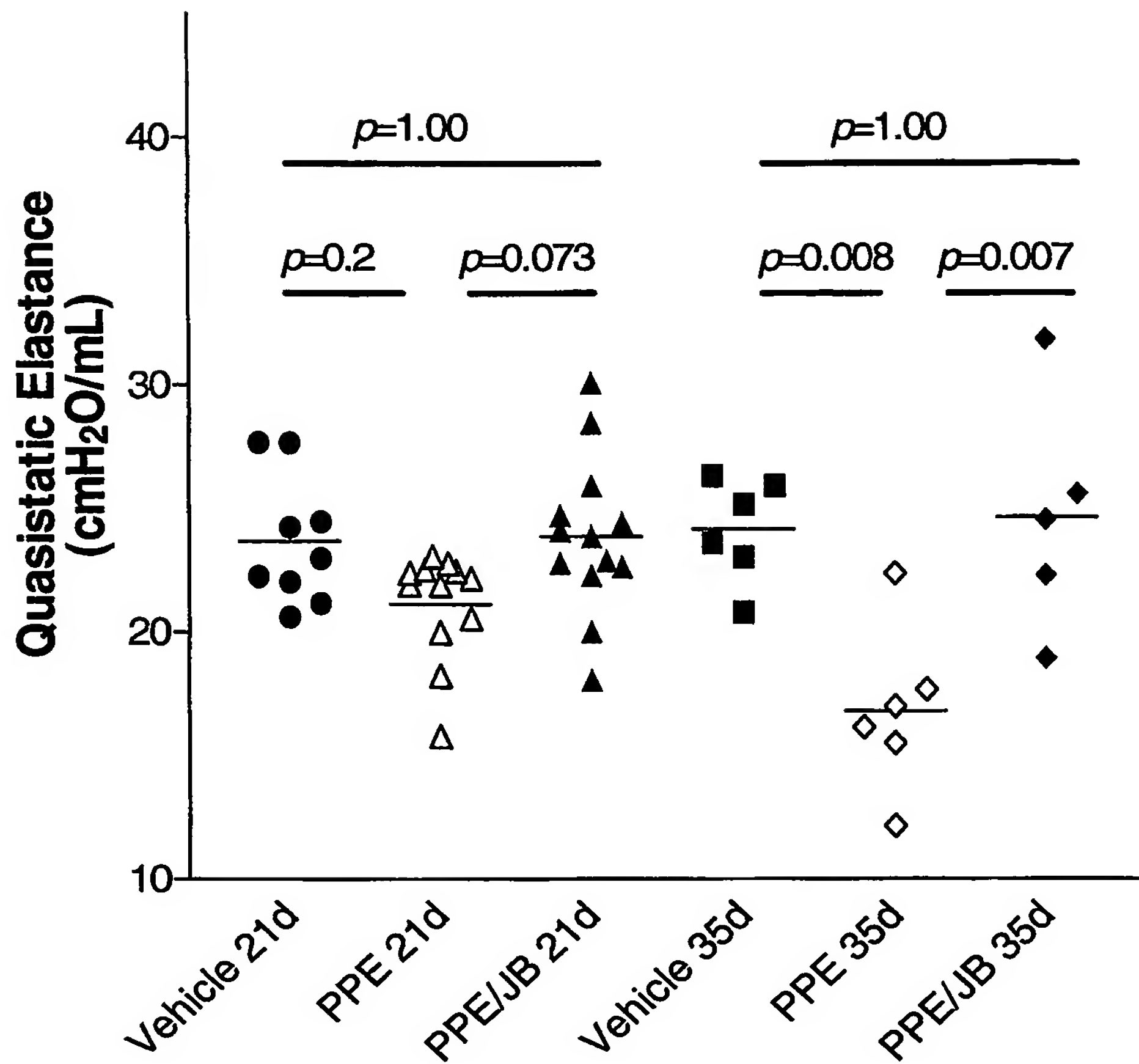


Figure 21

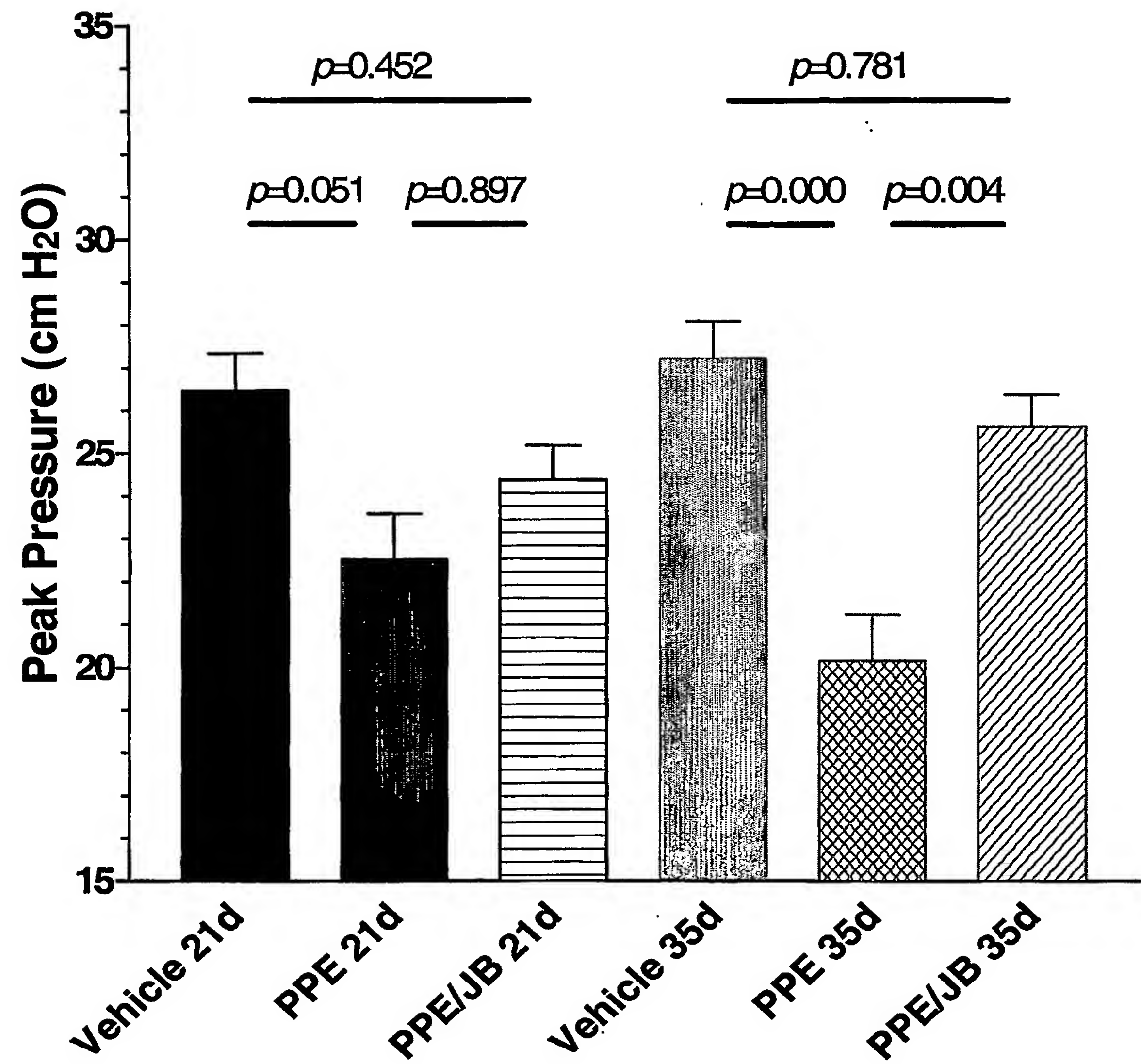


Figure 22

23 / 30

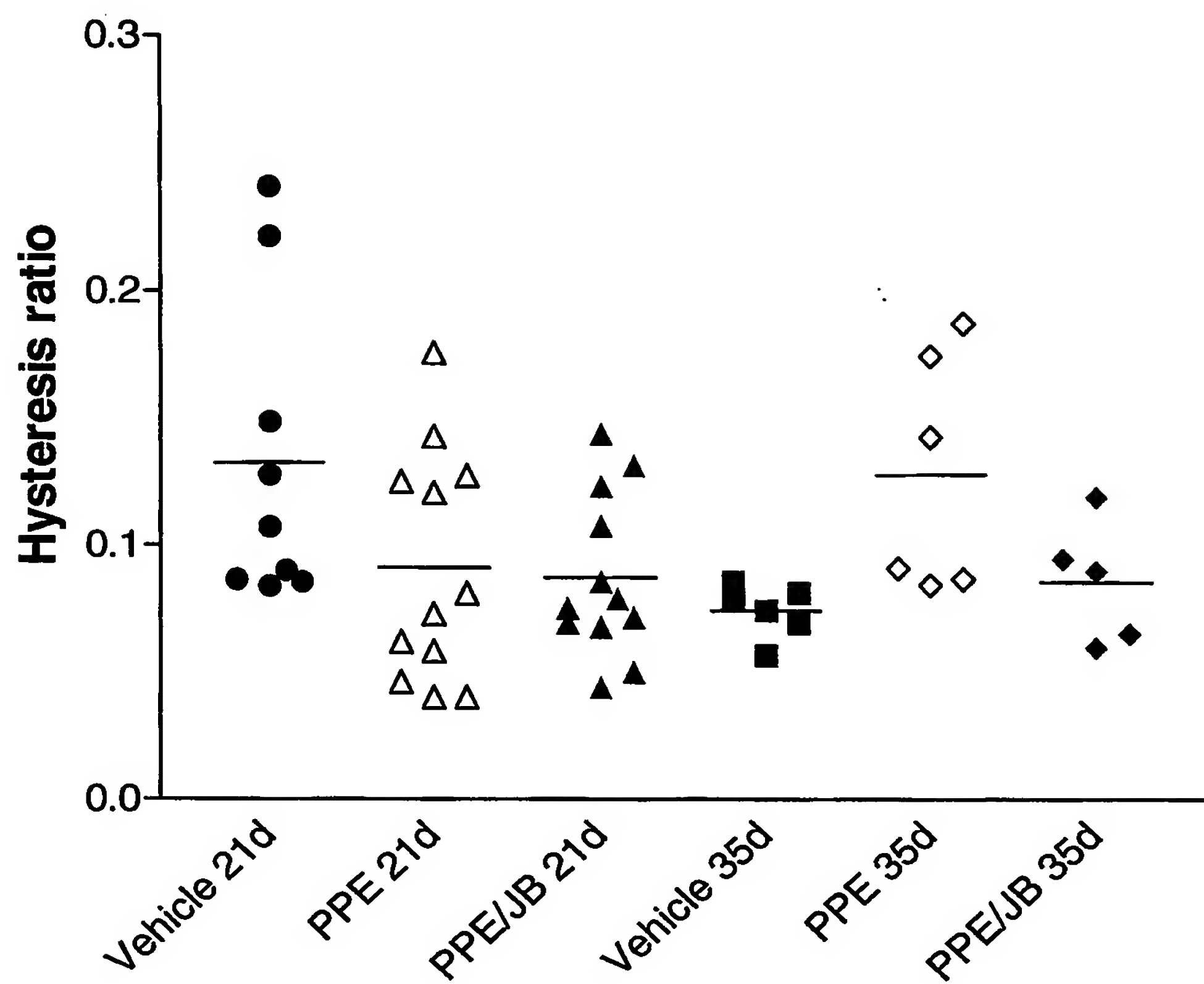
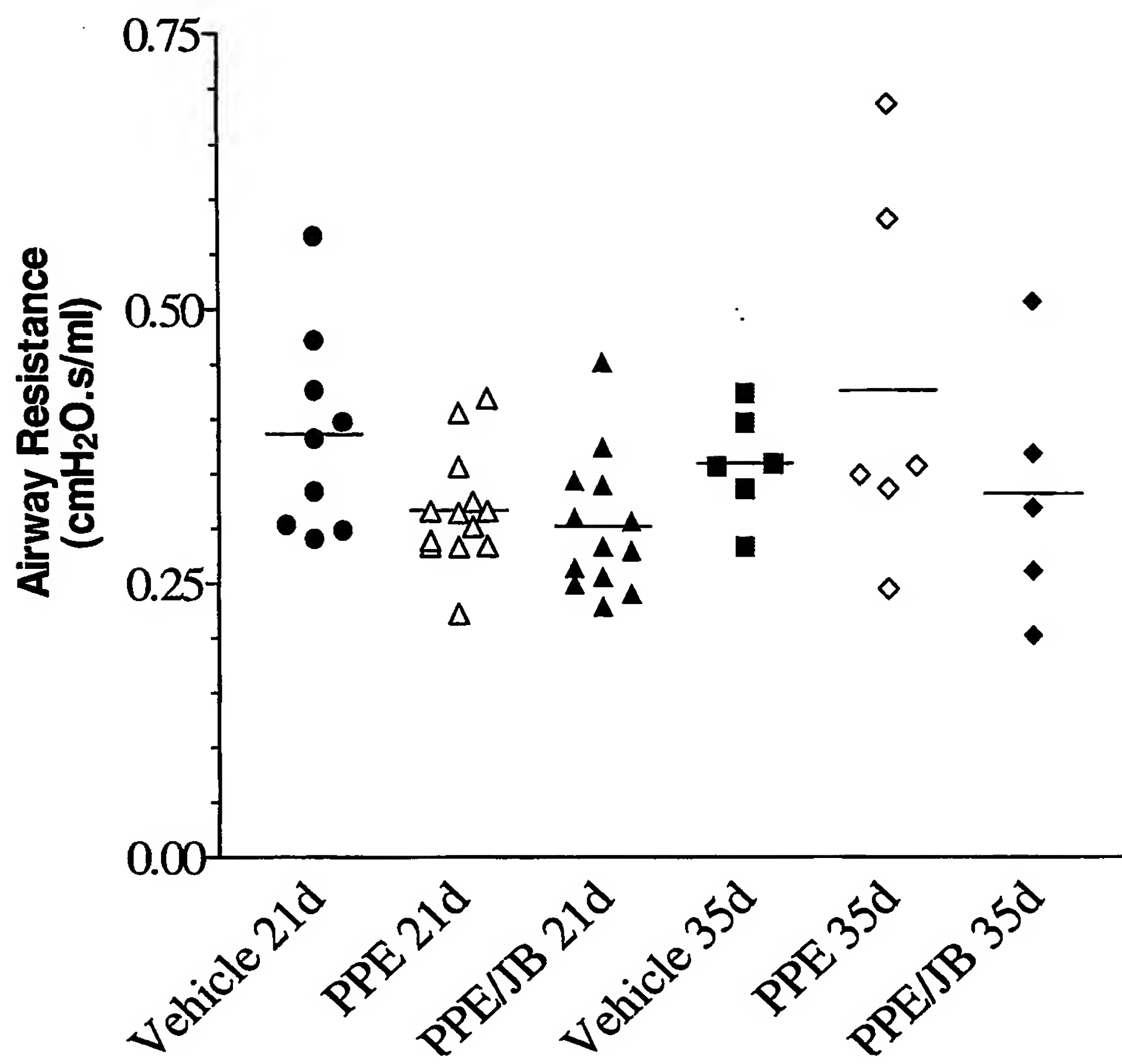


Figure 23

24 / 30

**Figure 24**

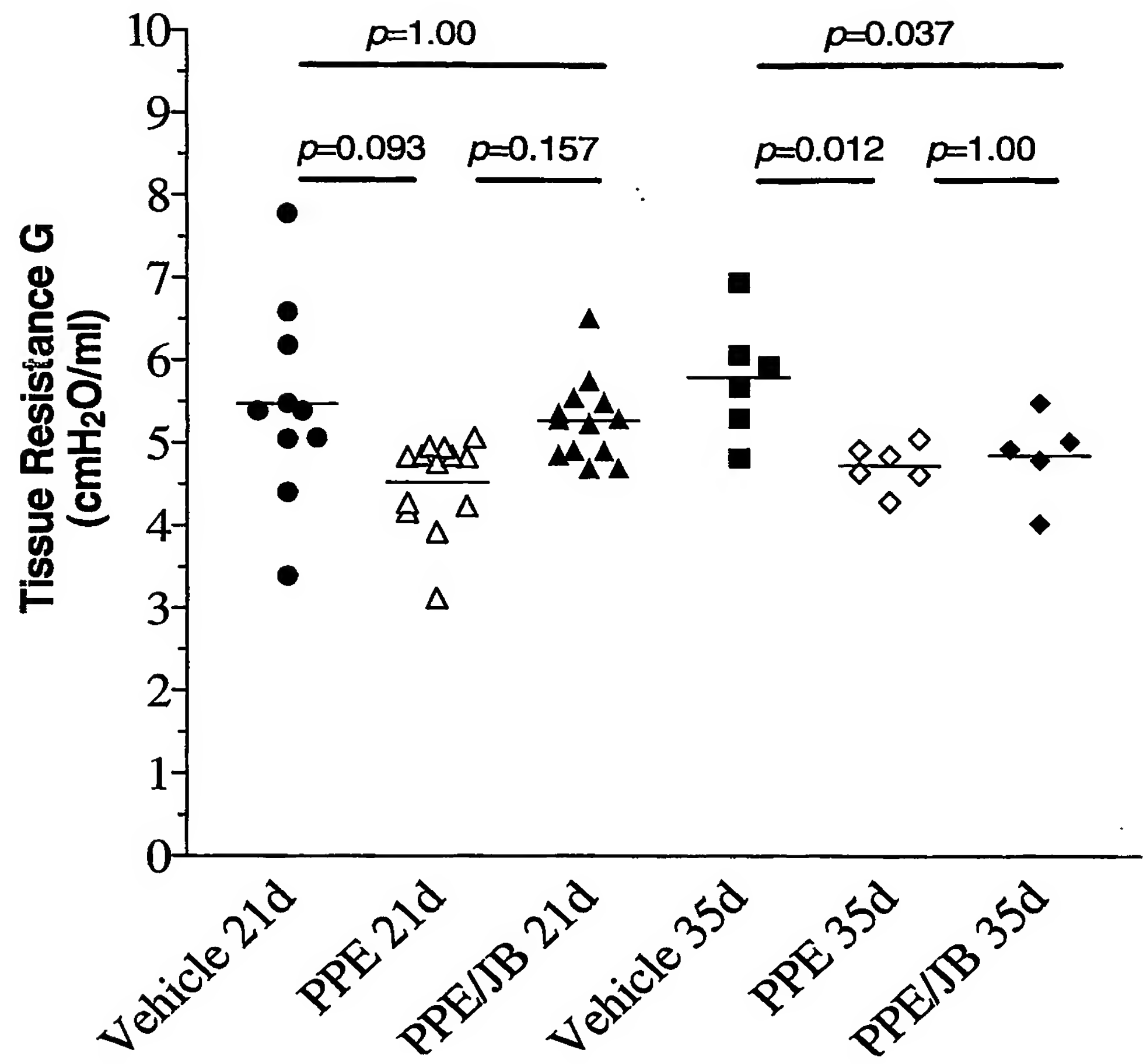


Figure 25

26 / 30

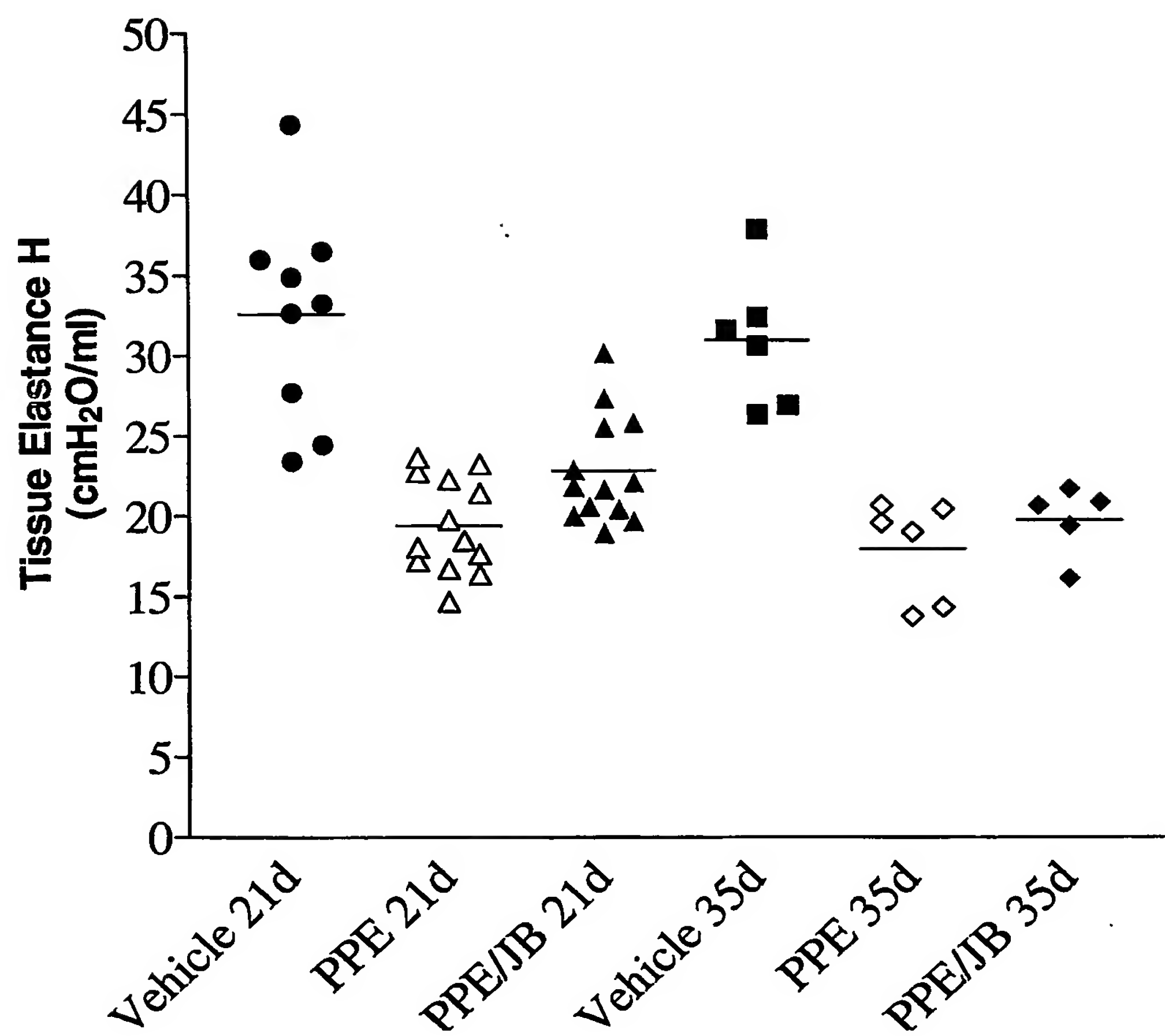


Figure 26

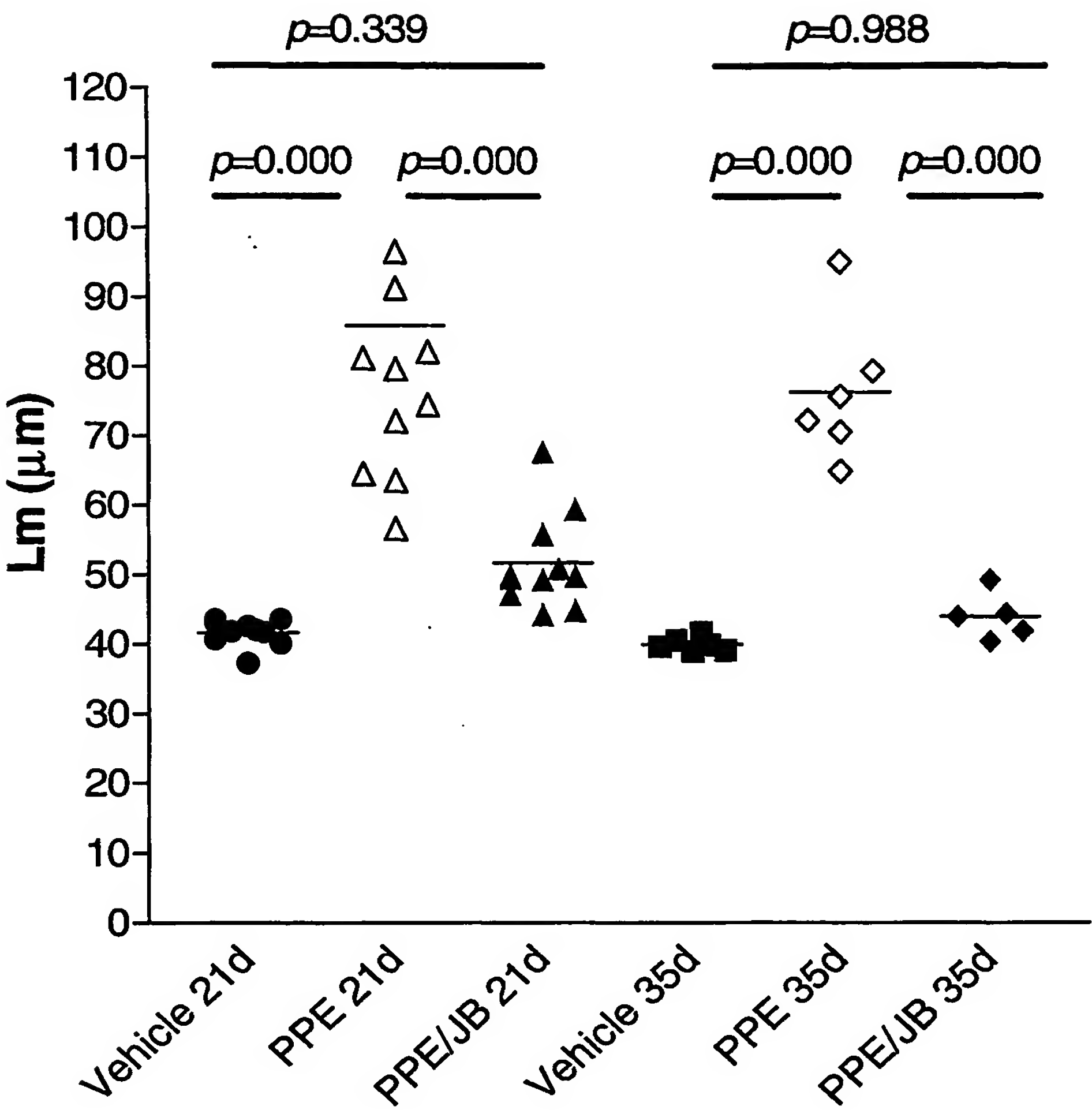


Figure 27

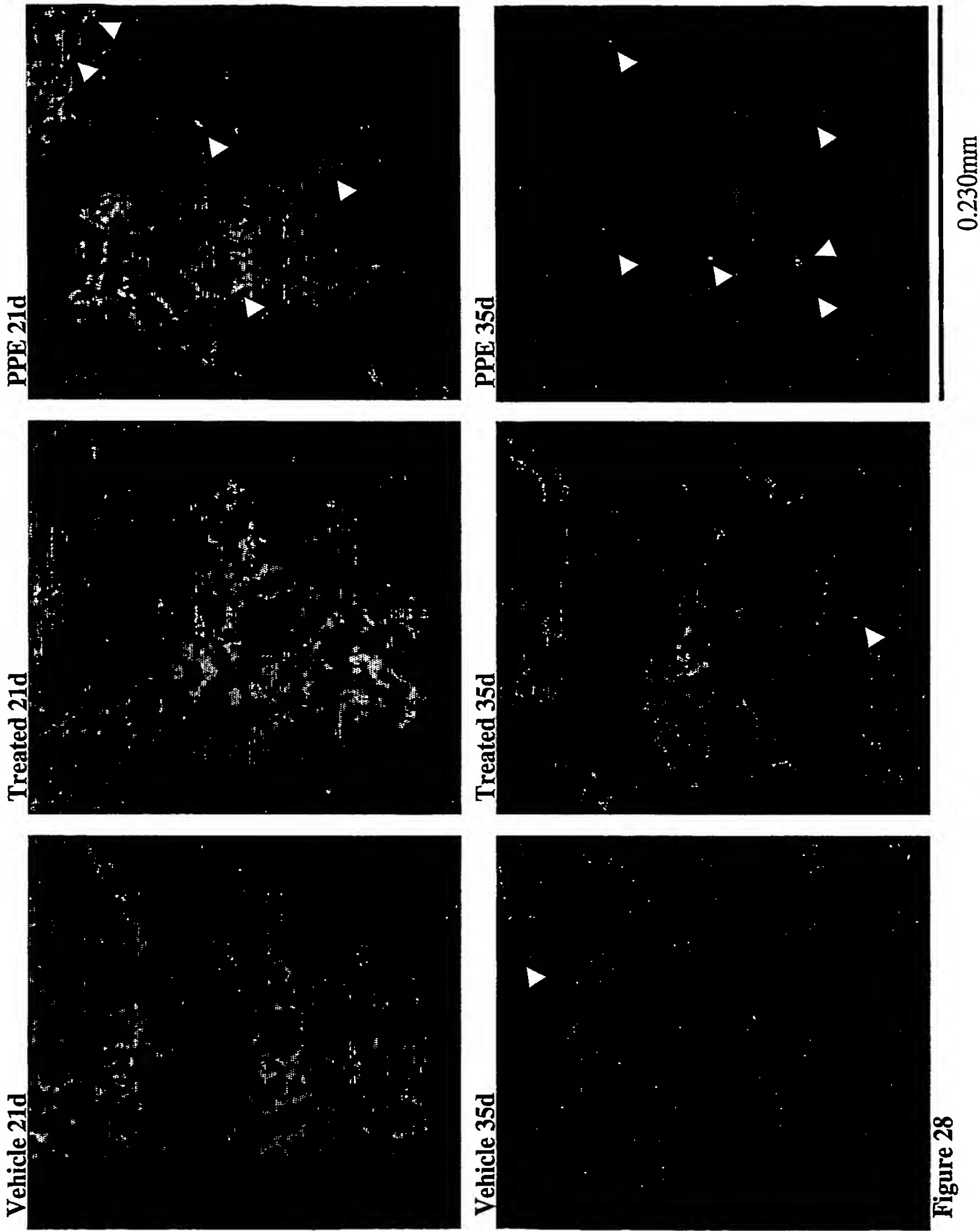


Figure 28

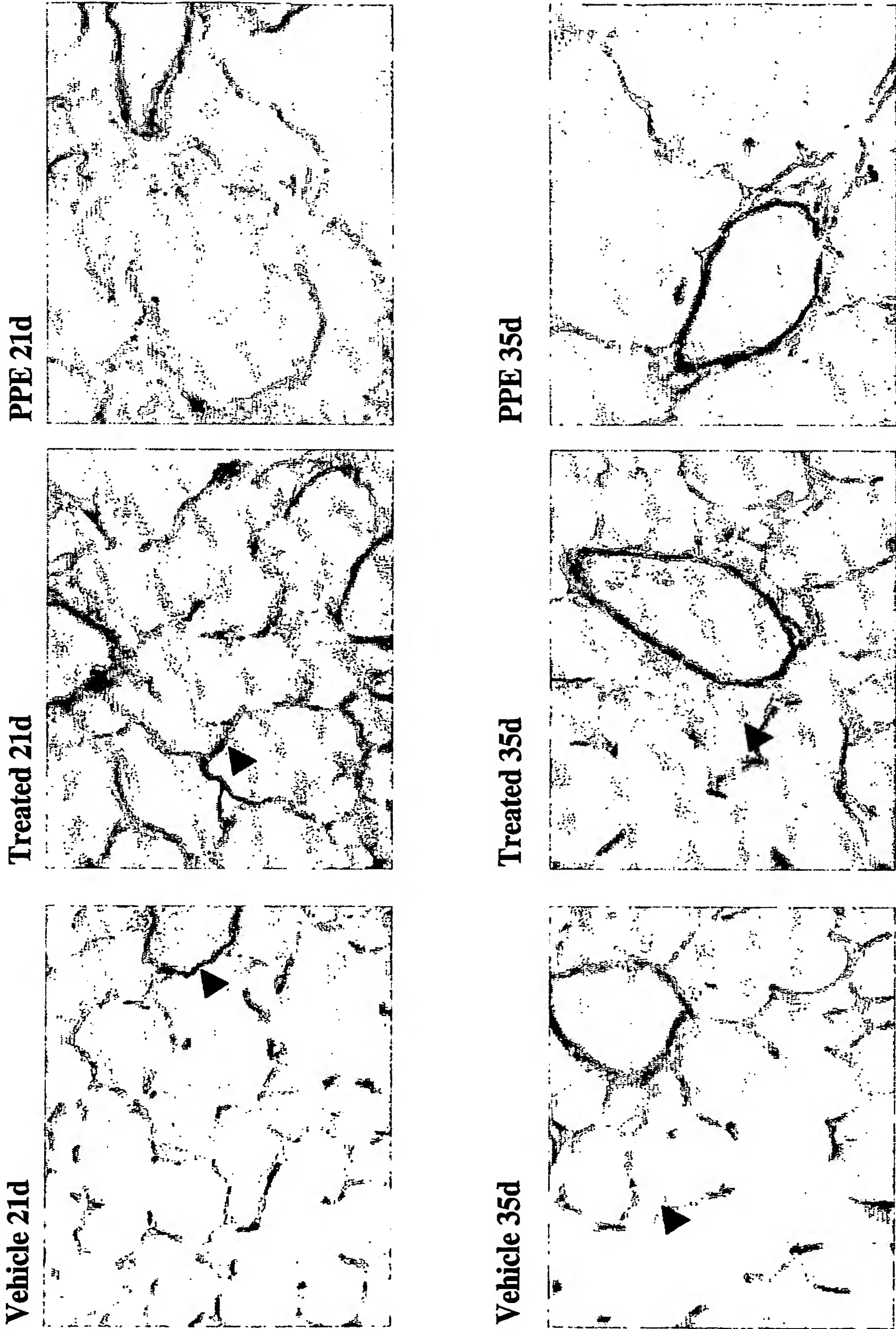


Figure 29

		Kl	Raw	G	H	Lm	Quasi-static Elastance	Peak Pressure
K	Pearson Correlation	1.000	0.156	-0.358	-0.693	0.605	-0.648	-0.743
	Sig. (2-tailed)		0.269	0.009	0.000	0.000	0.000	0.000
	N	52	52	52	52	49	51	51
Raw	Pearson Correlation	0.156	1.000	-0.023	-0.007	-0.063	-0.184	0.037
	Sig. (2-tailed)	0.269		0.874	0.963	0.666	0.195	0.798
	N	52	52	52	52	49	51	51
G	Pearson Correlation	-0.358	-0.023	1.000	0.721	-0.556	0.429	0.072
	Sig. (2-tailed)	0.009	0.874		0.000	0.000	0.002	0.618
	N	52	52	52	52	49	51	51
H	Pearson Correlation	-0.693	-0.007	0.721	1.000	-0.544	0.455	0.405
	Sig. (2-tailed)	0.000	0.963	0.000		0.000	0.001	0.003
	N	52	52	52	52	49	51	51
Lm	Pearson Correlation	0.605	-0.063	-0.556	-0.544	1.000	-0.573	-0.600
	Sig. (2-tailed)	0.000	0.666	0.000	0.000		0.000	0.000
	N	49	49	49	49	50	48	48
Quasi-static Elastance	Pearson Correlation	-0.648	-0.184	0.429	0.455	-0.573	1.000	0.591
	Sig. (2-tailed)	0.000	0.195	0.002	0.001	0.000		0.000
	N	51	51	51	51	48	51	51
Peak Pressures	Pearson Correlation	-0.743	0.037	0.072	0.405	-0.600	0.591	1.000
	Sig. (2-tailed)	0.000	0.798	0.618	0.003	0.000	0.000	
	N	51	51	51	51	48	51	51
		Correlation is significant at the 0.01 level (2-tailed).						
		Correlation is significant at the 0.05 level (2-tailed).						

Figure 30 – Table 1